

10/ 551,431

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|      |    |        |   |
|------|----|--------|---|
| NEWS | 1  |        | Web Page for STN Seminar Schedule - N. America  |
| NEWS | 2  | AUG 10 | Time limit for inactive STN sessions doubles to 40 minutes  |
| NEWS | 3  | AUG 18 | COMPENDEX indexing changed for the Corporate Source (CS) field  |
| NEWS | 4  | AUG 24 | ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced  |
| NEWS | 5  | AUG 24 | CA/CAPLUS enhanced with legal status information for U.S. patents   |
| NEWS | 6  | SEP 09 | 50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY   |
| NEWS | 7  | SEP 11 | WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus   |
| NEWS | 8  | OCT 21 | Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded                                 |
| NEWS | 9  | OCT 21 | Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models |
| NEWS | 10 | NOV 23 | Addition of SCAN format to selected STN databases   |
| NEWS | 11 | NOV 23 | Annual Reload of IFI Databases  |
| NEWS | 12 | DEC 01 | FRFULL Content and Search Enhancements  |
| NEWS | 13 | DEC 01 | DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets                         |
| NEWS | 14 | DEC 02 | Derwent World Patent Index: Japanese FI-TERM thesaurus added  |
| NEWS | 15 | DEC 02 | PCTGEN enhanced with patent family and legal status display data from INPADOCDB                               |
| NEWS | 16 | DEC 02 | USGENE: Enhanced coverage of bibliographic and sequence information   |
| NEWS | 17 | DEC 21 | New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/CAPLUS   |
| NEWS | 18 | JAN 12 | Match STN Content and Features to Your Information Needs, Quickly and Conveniently                            |

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,  
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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FILE 'HOME' ENTERED AT 14:32:14 ON 21 JAN 2010

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SESSION

FULL ESTIMATED COST

0.22

0.22

FILE 'REGISTRY' ENTERED AT 14:32:24 ON 21 JAN 2010

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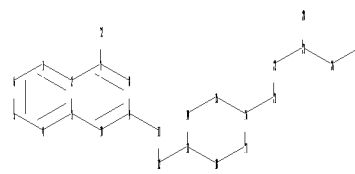
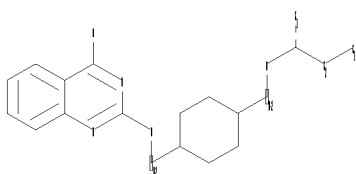
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=>

Uploading C:\Program Files\Stnexp\Queries\10551431.str

10/ 551,431



chain nodes :  
11 12 21 22 23 26 27 28  
ring nodes :  
1 2 3 4 5 6 7 8 9 10 13 14 15 16 17 18  
ring/chain nodes :  
32  
chain bonds :  
9-11 11-12 12-13 16-21 21-22 22-23 23-26 23-28 26-27  
ring/chain bonds :  
7-32  
ring bonds :  
1-2 1-6 2-3 2-7 3-4 3-10 4-5 5-6 7-8 8-9 9-10 13-14 13-18 14-15 15-16  
16-17 17-18  
exact/norm bonds :  
7-32 9-11 11-12 21-22 22-23 23-26 23-28 26-27  
exact bonds :  
12-13 13-14 13-18 14-15 15-16 16-17 16-21 17-18  
normalized bonds :  
1-2 1-6 2-3 2-7 3-4 3-10 4-5 5-6 7-8 8-9 9-10  
isolated ring systems :  
containing 1 : 13 :

G1:O,S

G2:O,N

G3:Ak,Ph

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 21:CLASS  
22:CLASS 23:CLASS 26:CLASS 27:CLASS 28:CLASS 32:CLASS

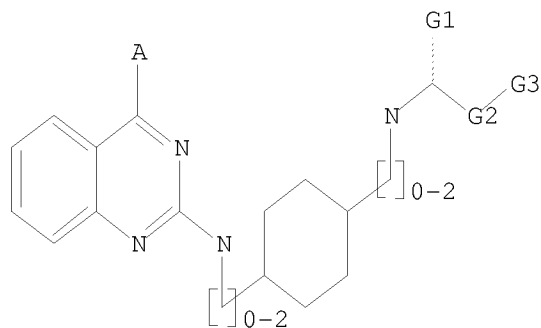
10/ 551,431

L1 STRUCTURE UPLOADED

=> d L1

L1 HAS NO ANSWERS

L1 STR



G1 O,S

G2 O,N

G3 Ak,Ph

Structure attributes must be viewed using STN Express query preparation.

=> s L1 full

FULL SEARCH INITIATED 14:32:48 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 22057 TO ITERATE

100.0% PROCESSED 22057 ITERATIONS

220 ANSWERS

SEARCH TIME: 00.00.02

L2 220 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

191.54

191.76

FILE 'CAPLUS' ENTERED AT 14:32:59 ON 21 JAN 2010

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FILE COVERS 1907 - 21 Jan 2010 VOL 152 ISS 4

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FILE LAST UPDATED: 20 Jan 2010 (20100120/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2009  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2009

CAPLUS now includes complete International Patent Classification (IPC)  
reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> s 12

L3 7 L2

=> d 13 1- ibib abs hitstr

YOU HAVE REQUESTED DATA FROM 7 ANSWERS - CONTINUE? Y/(N):y

L3 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2006:315070 CAPLUS

DOCUMENT NUMBER: 145:285

TITLE: Identification of  
4-amino-2-cyclohexylaminoquinazolines as metabolically  
stable melanin-concentrating hormone receptor 1  
antagonists

AUTHOR(S): Kanuma, Kosuke; Omodera, Katsunori; Nishiguchi,  
Mariko; Funakoshi, Takeo; Chaki, Shigeyuki; Nagase,  
Yasuko; Iida, Izumi; Yamaguchi, Jun-ichi; Semple,  
Graeme; Tran, Thuy-Anh; Sekiguchi, Yoshinori

CORPORATE SOURCE: Medicinal Research Laboratories, Taisho Pharmaceutical  
Co. Ltd, Saitama, Saitama, 331-9530, Japan

SOURCE: Bioorganic & Medicinal Chemistry (2006), 14(10),  
3307-3319

CODEN: BMECEP; ISSN: 0968-0896

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 145:285

AB The optimization of the distance between two key pharmacophore features  
within our first hit compds. led to the identification of a new class of  
potent non-peptidic antagonists for the MCH-R1, based around  
4-amino-2-cyclohexylaminoquinazolines. In particular, ATC0065, N  
2-[cis-4-({2-[4-Bromo-2-(trifluoromethoxy)phenyl]ethyl}amino)cyclohexyl]-  
N4,N4-dimethylquinazoline-2,4-diamine dihydrochloride, bound with high  
affinity to the MCH-R1 (IC50 value of 16 nM) and showed good metabolic  
stability in liver microsomes from human and rat.

IT 509142-47-6P 509142-56-7P 509142-64-7P  
509142-66-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)

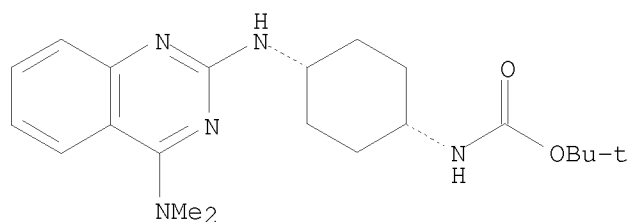
(amino cyclohexylaminoquinazolines as metabolically stable  
melanin-concentrating hormone receptor 1 antagonists)

RN 509142-47-6 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-  
, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

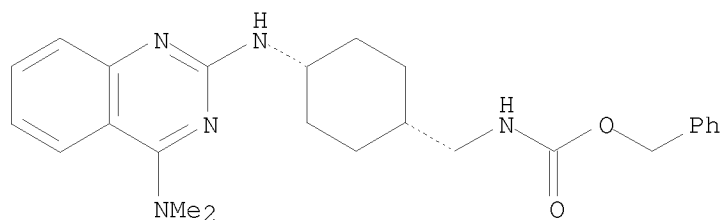
10/ 551,431



RN 509142-56-7 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

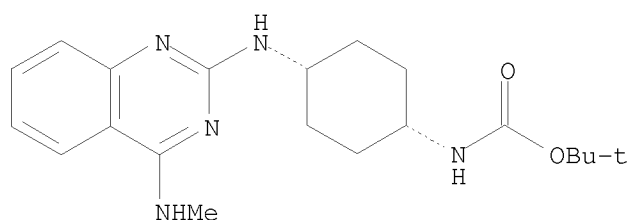
Relative stereochemistry.



RN 509142-64-7 CAPLUS

CN Carbamic acid, [cis-4-[[4-(methylamino)-2-quinazolinyl]amino]cyclohexyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

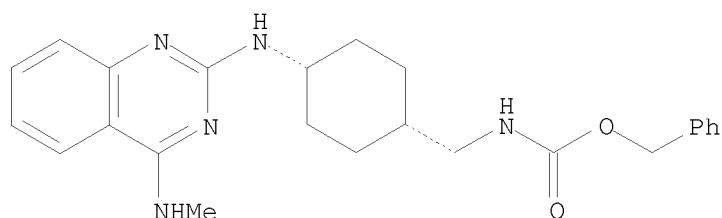
Relative stereochemistry.



RN 509142-66-9 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(methylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (13 CITINGS)  
 REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:708472 CAPLUS

DOCUMENT NUMBER: 143:241374

TITLE: Lead optimization of 4-(dimethylamino)quinazolines, potent and selective antagonists for the melanin-concentrating hormone receptor 1

AUTHOR(S): Kanuma, Kosuke; Omodera, Katsunori; Nishiguchi, Mariko; Funakoshi, Takeo; Chaki, Shigeyuki; Semple, Graeme; Tran, Thuy-Anh; Kramer, Bryan; Hsu, Debbie; Casper, Martin; Thomsen, Bill; Sekiguchi, Yoshinori

CORPORATE SOURCE: Medicinal Research Laboratories, Taisho Pharmaceutical Co. Ltd., Kita-ku, Saitama, Saitama, 331-9530, Japan

SOURCE: Bioorganic & Medicinal Chemistry Letters (2005), 15(17), 3853-3856

CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 143:241374

AB The optimization of a series of 4-(dimethylamino)quinazoline antagonists of the melanin-concentrating hormone receptor 1 (MCH-R1) is described. The combination of the elaboration of both the linker portion and the terminal Ph ring provided N-(cis-4-{[4-(dimethylamino)quinazolin-2-yl]amino}cyclohexyl)-3,4-difluorobenzamide hydrochloride 28 (ATC0175), which showed excellent antagonist activity at the MCH-R1 (IC<sub>50</sub> = 3.4 nM) as well as good selectivity over the Y5 and the  $\alpha$ 2A receptors.

IT 509142-38-5P 509142-47-6P

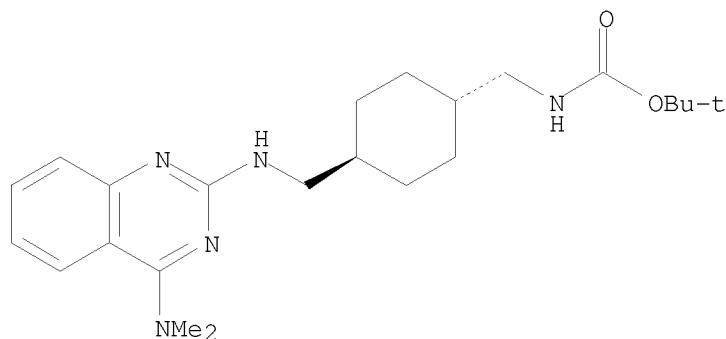
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(lead optimization of 4-(dimethylamino)quinazolines as antagonists for the melanin-concentrating hormone receptor 1)

RN 509142-38-5 CAPLUS

CN Carbamic acid, [[trans-4-[[[4-(dimethylamino)-2-quinazolinyl]amino]methyl]cyclohexyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

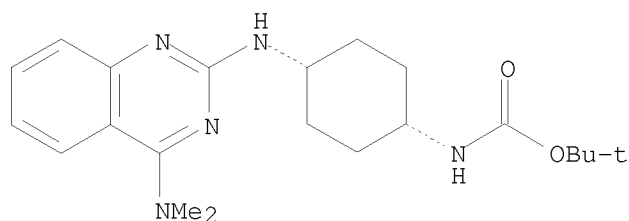
Relative stereochemistry.



RN 509142-47-6 CAPLUS

CN Carbamic acid, [cis-4-[[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



OS.CITING REF COUNT: 26 THERE ARE 26 CAPLUS RECORDS THAT CITE THIS RECORD (26 CITINGS)  
 REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:378887 CAPLUS

DOCUMENT NUMBER: 143:52920

TITLE: Discovery of 4-(dimethylamino)quinazolines as potent and selective antagonists for the melanin-concentrating hormone receptor 1

AUTHOR(S): Kanuma, Kosuke; Omodera, Katsunori; Nishiguchi, Mariko; Funakoshi, Takeo; Chaki, Shigeyuki; Semple, Graeme; Tran, Thuy-Anh; Kramer, Bryan; Hsu, Debbie; Casper, Martin; Thomsen, Bill; Beeley, Nigel; Sekiguchi, Yoshinori

CORPORATE SOURCE: Medicinal Research Laboratories, Taisho Pharmaceutical Co. Ltd., Saitama, Saitama, 331-9530, Japan

SOURCE: Bioorganic & Medicinal Chemistry Letters (2005), 15(10), 2565-2569

CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 143:52920

AB A series of 4-(dimethylamino)quinazoline based antagonists of the melanin-concentrating hormone receptor 1 (MCH-R1) is described. This series was

derived from a lead compound, AR129330, identified by HTS of a GPCR-directed library using a functional assay with a constitutively activated (CART) form of the receptor. The preliminary optimization resulted in the identification of several compds.

IT 192323-09-4P 509142-38-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

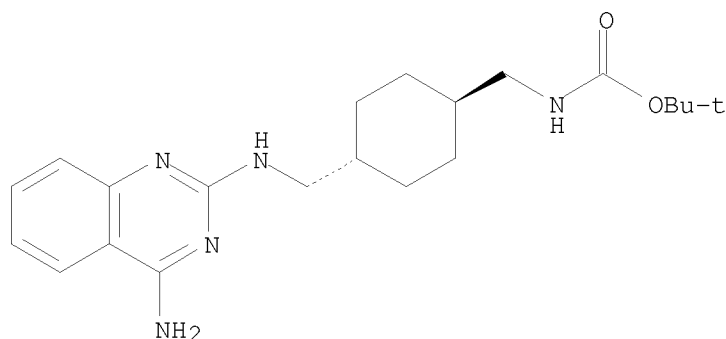
(discovery of (methylamino)quinazolines as potent and selective antagonists for melanin-concentrating hormone receptor 1)

RN 192323-09-4 CAPLUS

CN Carbamic acid, [[trans-4-[[[4-amino-2-quinazolinyl)amino]methyl]cyclohexyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

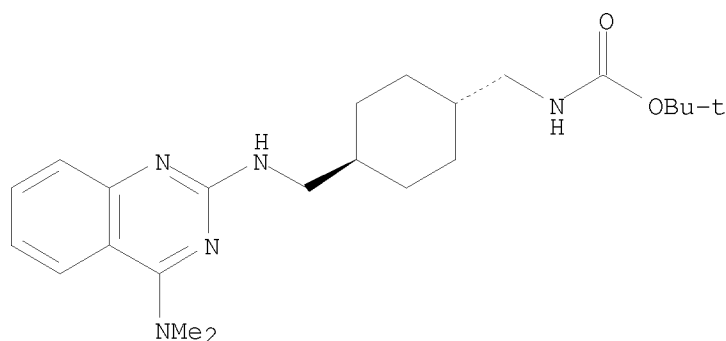




RN 509142-38-5 CAPLUS

CN Carbamic acid, [[trans-4-[[[4-(dimethylamino)-2-quinazolinyl]amino]methyl]cyclohexyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



OS.CITING REF COUNT: 20 THERE ARE 20 CAPLUS RECORDS THAT CITE THIS RECORD (20 CITINGS)  
 REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:963181 CAPLUS

DOCUMENT NUMBER: 141:379941

TITLE: Preparation of quinazoline-2,4-diamines as melanin concentrating hormone (MCH) receptor antagonists  
 INVENTOR(S): Sekiguchi, Yoshikatsu; Kanuma, Yukihiro; Omodera, Katsunori; Tran, Thuy-ahn; Kramer, Bryan Aubrey; Beeley, Nigel Robert Arnold

PATENT ASSIGNEE(S): Taisho Pharmaceutical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 988 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE     |
|---------------|------|----------|-----------------|----------|
| JP 2004315511 | A    | 20041111 | JP 2004-95046   | 20040329 |

PRIORITY APPLN. INFO.:

JP 2003-93418

A 20030331

OTHER SOURCE(S):

MARPAT 141:379941

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\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

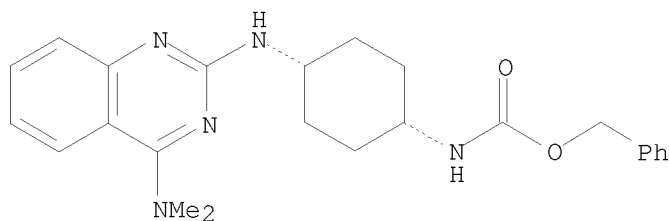
AB The title compds. Q-L-Y-R1 [Q = Q1, H<sub>2</sub>NC(:NH); wherein R2 = NHNH<sub>2</sub>, NHNHBoc, (un)substituted NH<sub>2</sub>, morpholino, 4-acetyl-piperazinyl, 4-phenylpiperazinyl; R1 = each (un)substituted C1-16 alkyl, C2-8 alkenyl, C2-4 alkynyl, C3-6 cycloalkyl, C3-6 cycloalkenyl, carbocyclyl, carbocyclic alkyl, or heterocyclyl; L = each Q2-Q6 or its cis- or trans-isomer, Q7-Q16; R4 = H, C1-3 alkyl; R5 = H, each (un)substituted carbocyclic aryl or C1-3 alkyl; Y = SO<sub>2</sub>, CO, a single bond, CH<sub>2</sub>] or salts thereof are prepared These compds. are MCH receptor antagonists and used for regulating orphan G protein-coupled receptor SLC-1 and for the prevention and/or treatment of obesity, obesity-related diseases, anxiety, or depression. Thus, hydrogenolysis of benzyl cis-[[4-(4-dimethylaminoquinazolin-2-ylamino)cyclohexyl]methyl]carbamate over 5% Pd-C in MeOH at 50° under H atmospheric for 3 days gave a solution of cis-[[4-(4-dimethylaminoquinazolin-2-ylamino)cyclohexyl]methyl]amine in MeOH which underwent reductive alkylation with 4-bromo-2-trifluoromethoxybenzaldehyde and NaBH(OAc)<sub>3</sub> in AcOH/CH<sub>2</sub>Cl<sub>2</sub> to give, after purification using HPLC and treatment with 4 N HCl/EtOAc, compound (I).2HCl. In a high throughput function screen for identifying lead compds., I.2HCl inhibited the human MCH-induced cellular Ca<sup>2+</sup> flux with IC<sub>50</sub> of 6 µg/mL.

IT 510738-77-9P 510738-78-0P 510738-79-1P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of quinazoline derivs. as melanin-concentrating hormone (MCH) receptor antagonists for prevention and/or treatment of obesity, obesity-related diseases, anxiety, or depression)

RN 510738-77-9 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

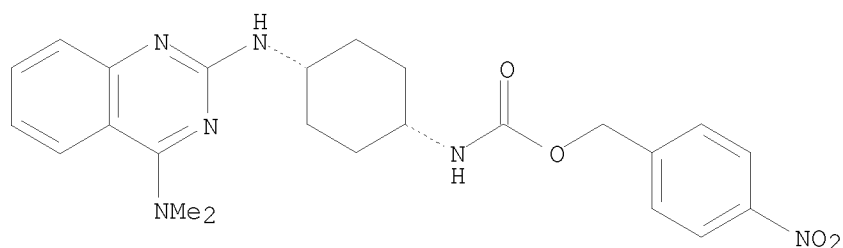


RN 510738-78-0 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-, (4-nitrophenyl)methyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

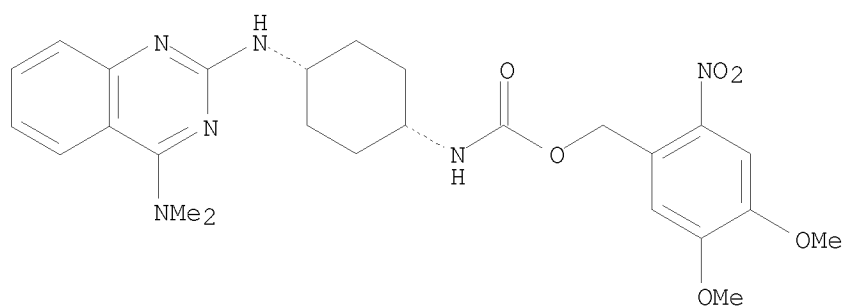
10/ 551,431



RN 510738-79-1 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-, (4,5-dimethoxy-2-nitrophenyl)methyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 509142-38-5P 509142-39-6P 509142-41-0P  
509142-42-1P 509142-47-6P 509142-52-3P  
509142-54-5P 509142-56-7P 509142-64-7P  
509142-66-9P 509142-98-7P 509143-07-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of quinazoline derivs. as melanin-concentrating hormone (MCH) receptor

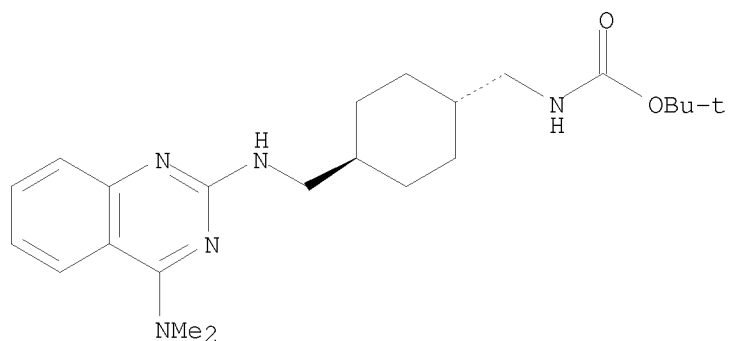
antagonists for prevention and/or treatment of obesity, obesity-related diseases, anxiety, or depression)

RN 509142-38-5 CAPLUS

CN Carbamic acid, [[trans-4-[[[4-(dimethylamino)-2-quinazolinyl]amino]methyl]cyclohexyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

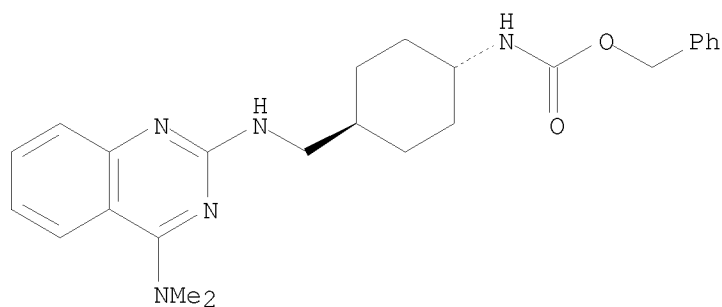
10/ 551,431



RN 509142-39-6 CAPLUS

CN Carbamic acid, [trans-4-[[[4-(dimethylamino)-2-quinazolinyl]amino]methyl]cyclohexyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

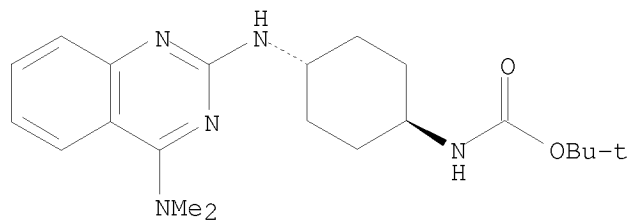
Relative stereochemistry.



RN 509142-41-0 CAPLUS

CN Carbamic acid, [trans-4-[[[4-(dimethylamino)-2-quinazolinyl]amino]methyl]cyclohexyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

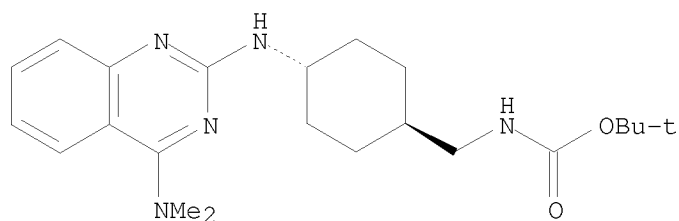


RN 509142-42-1 CAPLUS

CN Carbamic acid, [[trans-4-[[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

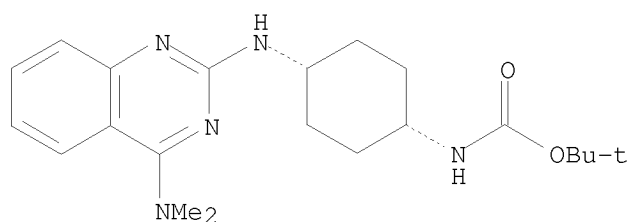
10/ 551,431



RN 509142-47-6 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

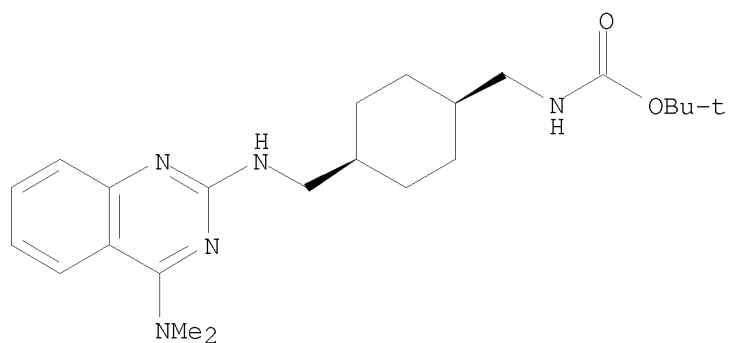
Relative stereochemistry.



RN 509142-52-3 CAPLUS

CN Carbamic acid, [[cis-4-[[[4-(dimethylamino)-2-quinazolinyl]amino]methyl]cyclohexyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

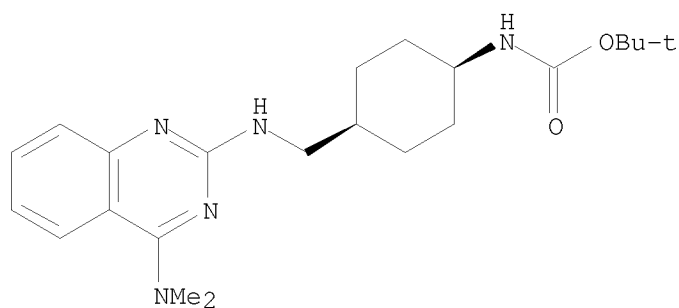


RN 509142-54-5 CAPLUS

CN Carbamic acid, [cis-4-[[[4-(dimethylamino)-2-quinazolinyl]amino]methyl]cyclohexyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

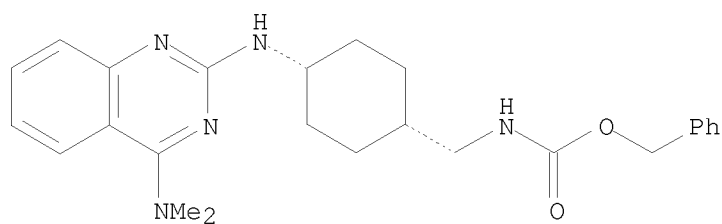
10/ 551,431



RN 509142-56-7 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

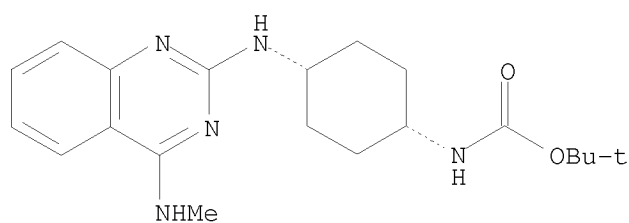
Relative stereochemistry.



RN 509142-64-7 CAPLUS

CN Carbamic acid, [cis-4-[[4-(methylamino)-2-quinazolinyl]amino]cyclohexyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

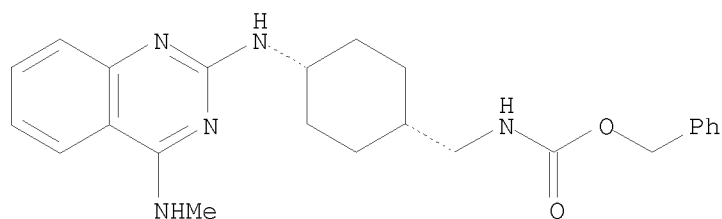


RN 509142-66-9 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(methylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

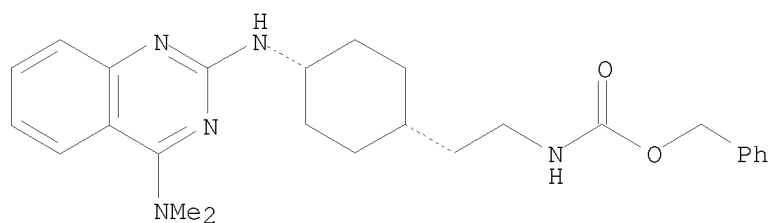
10/ 551,431



RN 509142-98-7 CAPLUS

CN Carbamic acid, [2-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]ethyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

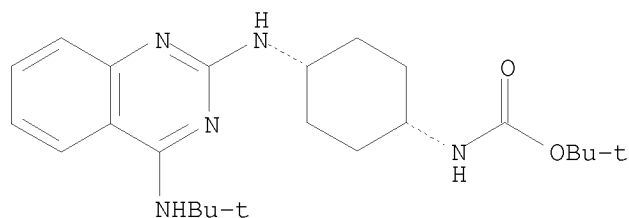
Relative stereochemistry.



RN 509143-07-1 CAPLUS

CN Carbamic acid, [cis-4-[[4-[(1,1-dimethylethyl)amino]-2-quinazolinyl]amino]cyclohexyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

L3 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:857578 CAPLUS

DOCUMENT NUMBER: 141:350189

TITLE: Preparation of novel quinazolines as MCH receptor antagonists

INVENTOR(S): Sekiguchi, Yoshinori; Kanuma, Kosuke; Omodera, Katsunori; Busujima, Tsuyoshi; Tran, Thuy-Anh; Han, Sangdon; Casper, Martin; Kramer, Bryan A.

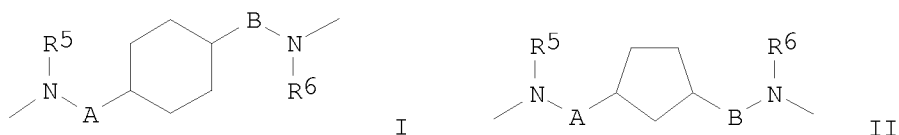
PATENT ASSIGNEE(S): Taisho Pharmaceutical Co., Ltd., Japan; Arena Pharmaceuticals Inc.

SOURCE: PCT Int. Appl., 363 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO.  | DATE       |
|---|------|----------|------------------|------------|
| WO 2004087680   | A1   | 20041014 | WO 2004-JP4554   | 20040330   |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |      |          |                  |            |
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| HK 1091199  | A1   | 20090828 | HK 2006-111733   | 20061024   |
| PRIORITY APPLN. INFO.:  |      |          | US 2003-458424P  | P 20030331 |
|   |      |          | WO 2004-JP4554   | W 20040330 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
 OTHER SOURCE(S): MARPAT 141:350189  
 GI



AB The title compds. QLYR1 [I; Q = (un)substituted 2-quinazolinyl; R1 = (un)substituted alkyl, cycloalkyl, aryl, etc.; L = II, III (wherein R5, R6 = H, alkyl; A, B = a bond, CH2, (CH2)2, etc.; Y = (un)substituted CONH, CSNH, C(O)O, SO2, etc.] which act as MCH receptor antagonists, were prepared E.g., a multi-step synthesis of 1-(3,4-dimethoxyphenyl)-3-[cis-4-(4-dimethylaminoquinazolin-2-ylamino)cyclohexyl]-urea hydrochloride (starting from quinazoline-2,4-dione) which showed IC50 of 13 nM against MCH receptor binding, was given. The compds. I are useful in pharmaceutical compns. (claimed) which use includes prophylaxis or treatment of improving memory function, sleeping and arousal, anxiety, depression, mood disorders, seizure, obesity, diabetes, appetite and eating disorders, cardiovascular disease, hypertension, dyslipidemia, myocardial infarction, binge eating disorders including bulimia, anorexia, mental disorders including manic depression, schizophrenia, delirium, dementia, stress, cognitive disorders, attention deficit disorder, substance abuse disorders and dyskinesias including Parkinson's disease, epilepsy, and addiction.

IT 509142-56-7P  
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic

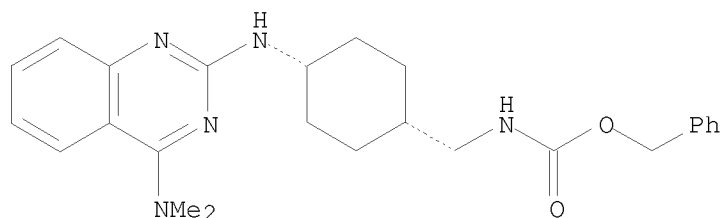


preparation); THU (Therapeutic use); BIOL (Biological study); PREP  
(Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of novel quinazolines as MCH receptor antagonists)

RN 509142-56-7 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, phenylmethyl ester (9CI) (CA  
INDEX NAME)

Relative stereochemistry.



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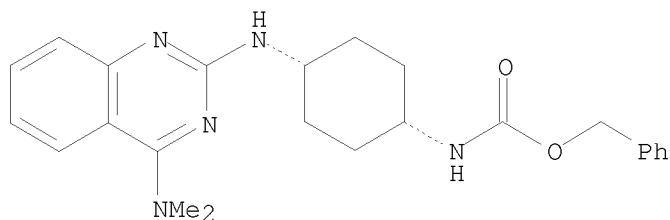
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of novel quinazolines as MCH receptor antagonists)

RN 510738-77-9 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

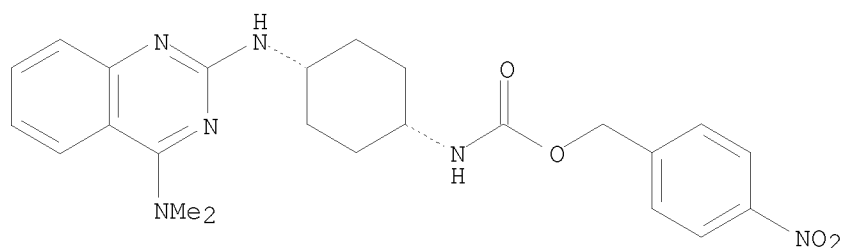


RN 510738-78-0 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-, (4-nitrophenyl)methyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

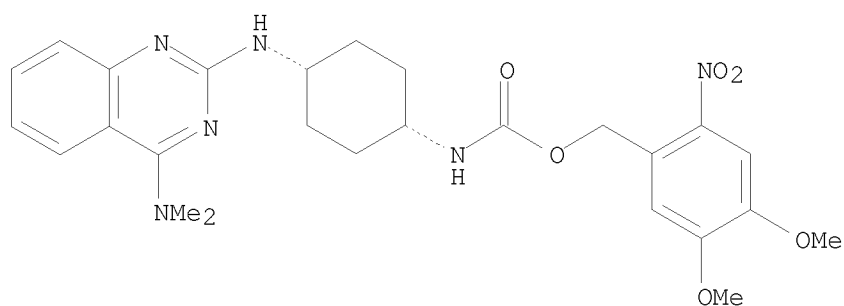
10/ 551,431



RN 510738-79-1 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-(4,5-dimethoxy-2-nitrophenyl)methyl ester (9CI) (CA INDEX NAME)

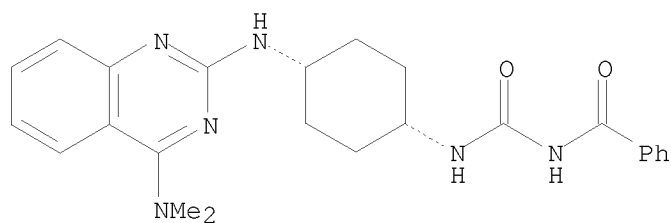
Relative stereochemistry.



RN 774199-23-4 CAPLUS

CN Benzamide, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]amino]carbonyl]-(4,5-dimethoxy-2-nitrophenyl)methyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

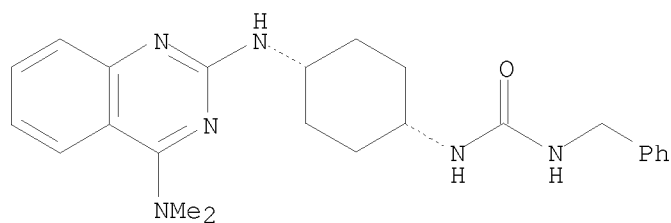


RN 774199-25-6 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-(phenylmethyl)- (CA INDEX NAME)

Relative stereochemistry.

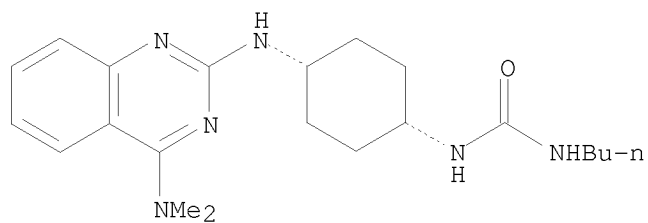
10/ 551,431



RN 774199-29-0 CAPLUS

CN Urea, N-butyl-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

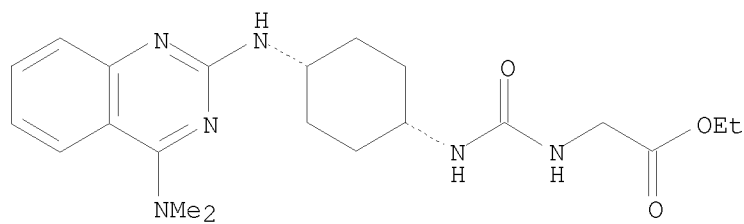
Relative stereochemistry.



RN 774199-44-9 CAPLUS

CN Glycine, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]amino]carbonyl]-, ethyl ester (CA INDEX NAME)

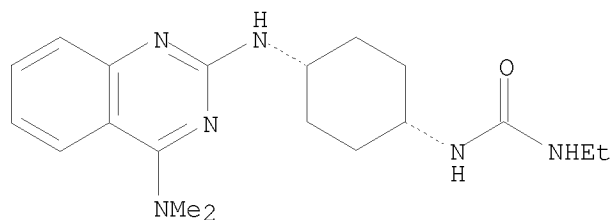
Relative stereochemistry.



RN 774199-48-3 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-ethyl- (9CI) (CA INDEX NAME)

Relative stereochemistry.

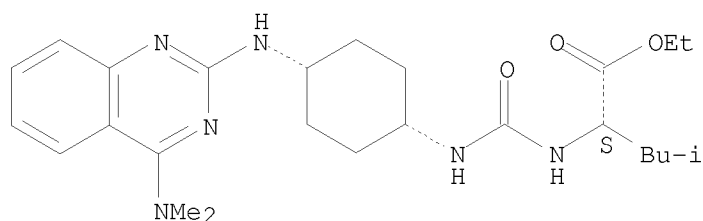


10/ 551,431

RN 774199-50-7 CAPLUS

CN L-Leucine, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]amino]carbonyl]-, ethyl ester (CA INDEX NAME)

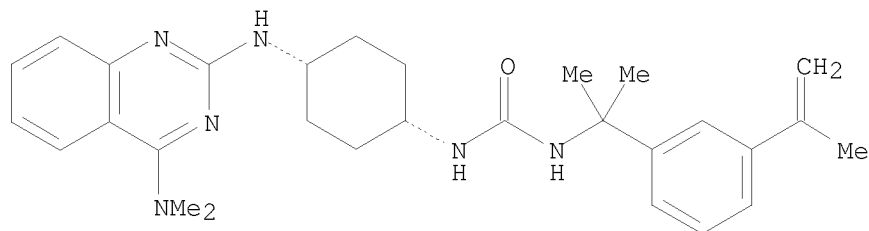
Absolute stereochemistry.



RN 774199-56-3 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[1-methyl-1-[3-(1-methylethenyl)phenyl]ethyl]- (CA INDEX NAME)

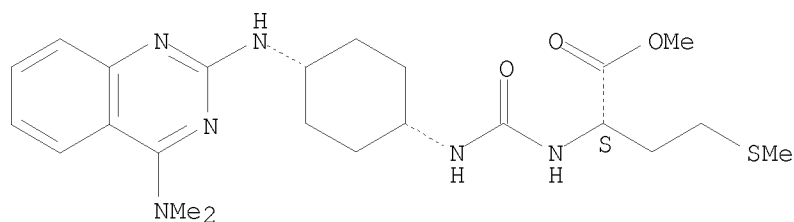
Relative stereochemistry.



RN 774199-57-4 CAPLUS

CN L-Methionine, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]amino]carbonyl]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.

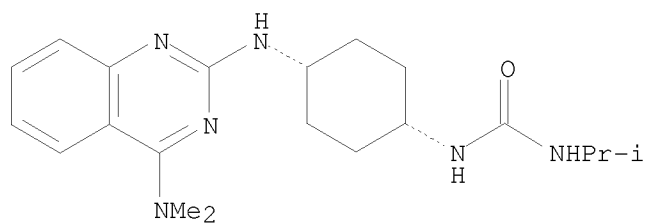


RN 774199-58-5 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-(1-methylethyl)- (CA INDEX NAME)

Relative stereochemistry.

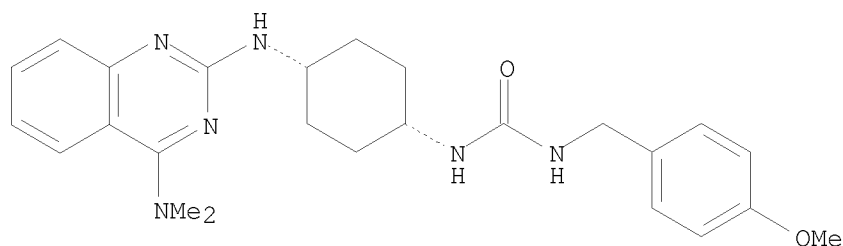
10/ 551,431



RN 774199-64-3 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[(4-methoxyphenyl)methyl]- (CA INDEX NAME)

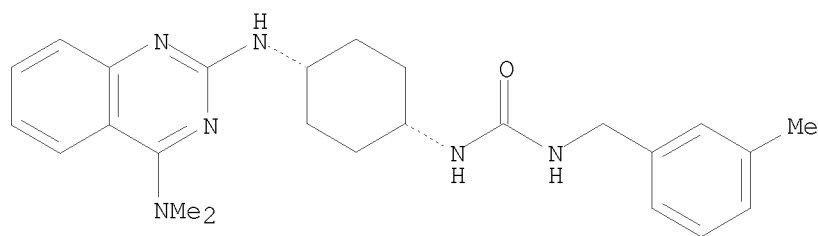
Relative stereochemistry.



RN 774199-65-4 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[(3-methylphenyl)methyl]- (CA INDEX NAME)

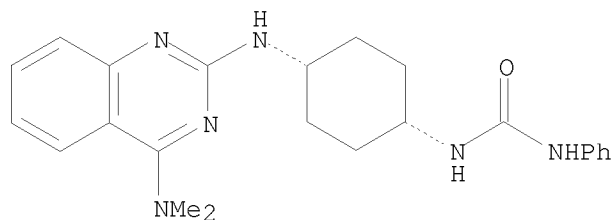
Relative stereochemistry.



RN 774199-68-7 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-phenyl- (CA INDEX NAME)

Relative stereochemistry.

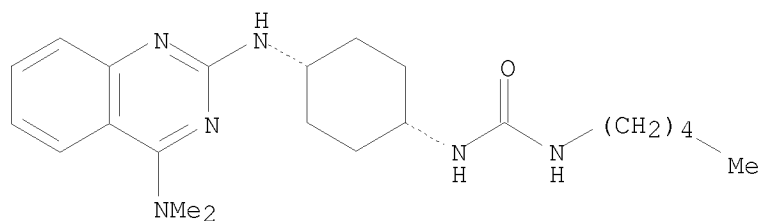


10/ 551,431

RN 774199-70-1 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-pentyl- (CA INDEX NAME)

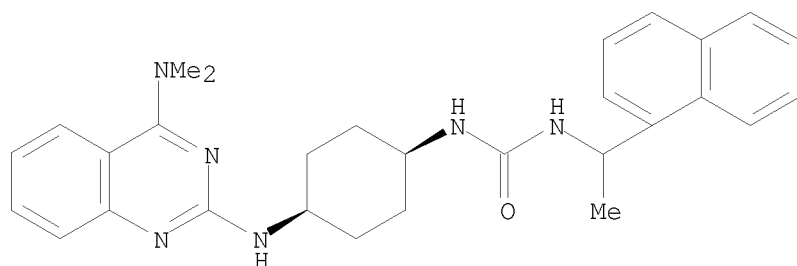
Relative stereochemistry.



RN 774199-77-8 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[1-(1-naphthalenyl)ethyl]- (CA INDEX NAME)

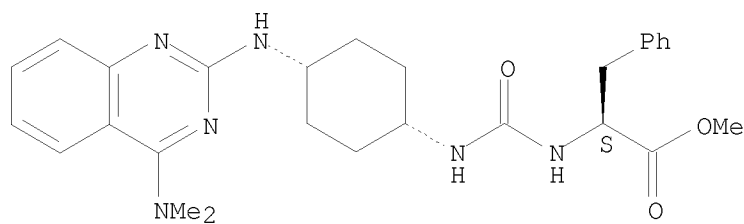
Relative stereochemistry.



RN 774199-78-9 CAPLUS

CN L-Phenylalanine, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]amino]carbonyl]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.

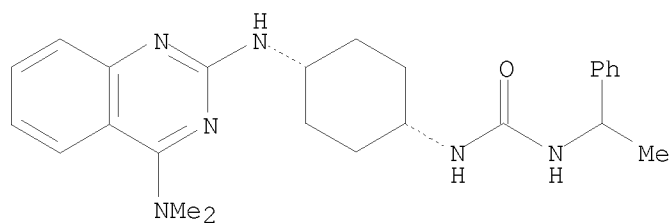


RN 774199-81-4 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-(1-phenylethyl)- (CA INDEX NAME)

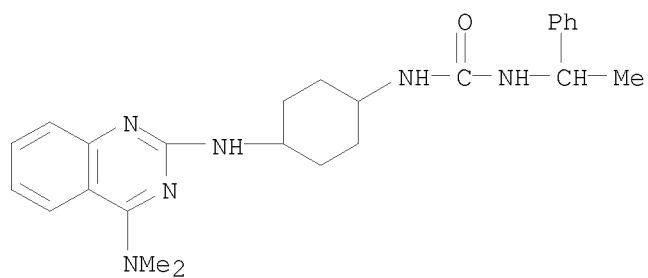
Relative stereochemistry.

10/ 551,431



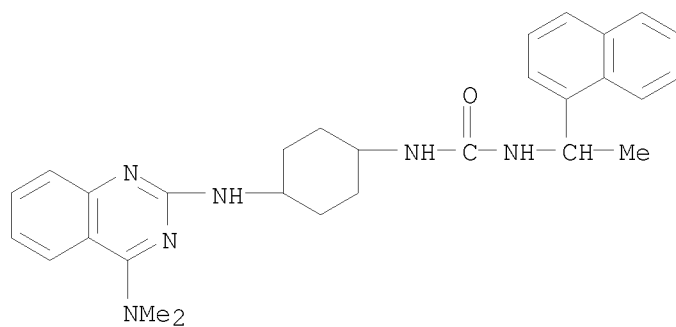
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CN Urea, N-[4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-(1-phenylethyl)- (CA INDEX NAME)



RN 774199-83-6 CAPLUS

CN Urea, N-[4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[1-(1-naphthalenyl)ethyl]- (CA INDEX NAME)



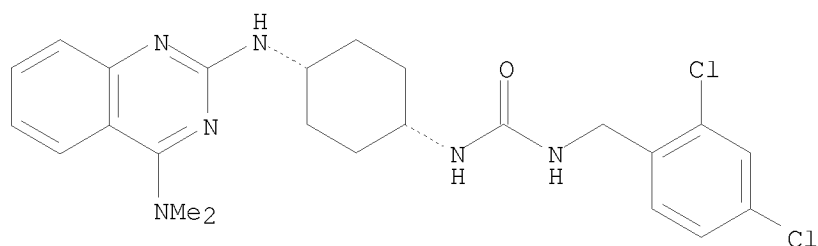
RN 774199-94-9 CAPLUS

CN Urea, N-[(2,4-dichlorophenyl)methyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.



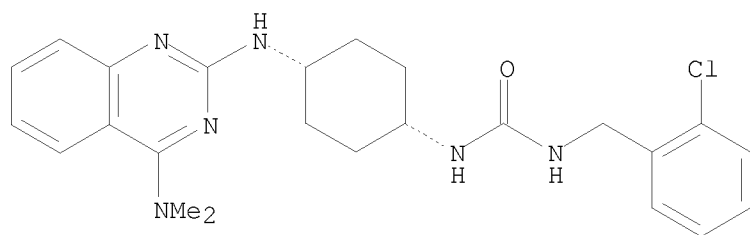
10/ 551,431



RN 774200-07-6 CAPLUS

CN Urea, N-[(2-chlorophenyl)methyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

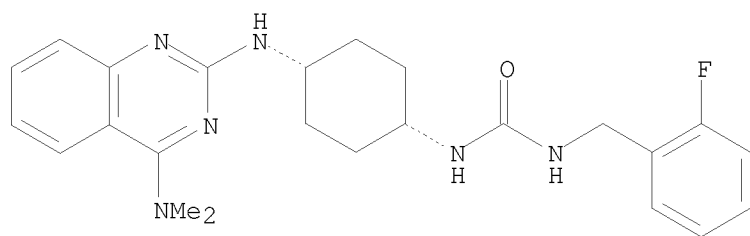
Relative stereochemistry.



RN 774200-16-7 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[(2-fluorophenyl)methyl]- (CA INDEX NAME)

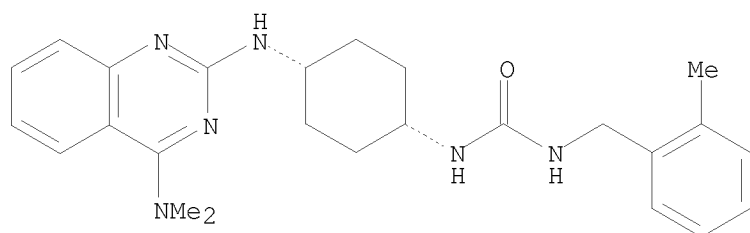
Relative stereochemistry.



RN 774200-27-0 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[(2-methylphenyl)methyl]- (CA INDEX NAME)

Relative stereochemistry.

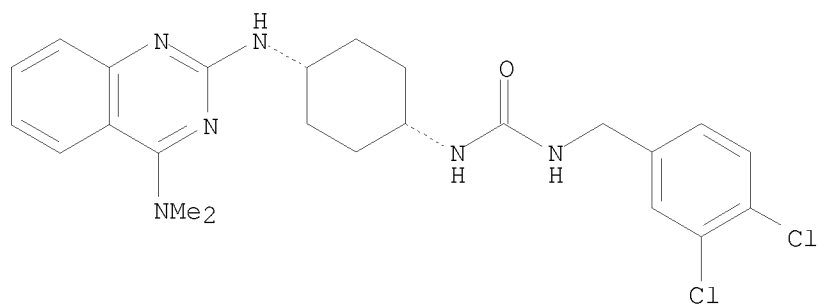


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RN 774200-38-3 CAPLUS

CN Urea, N-[(3,4-dichlorophenyl)methyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

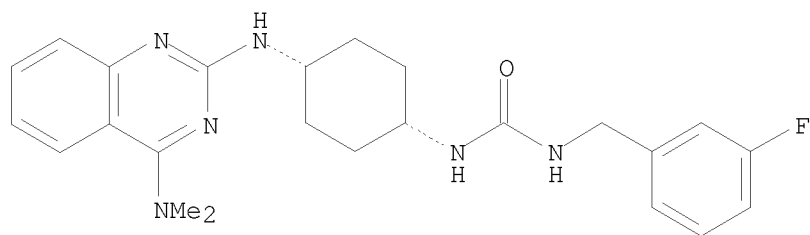
Relative stereochemistry.



RN 774200-50-9 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[(3-fluorophenyl)methyl]- (CA INDEX NAME)

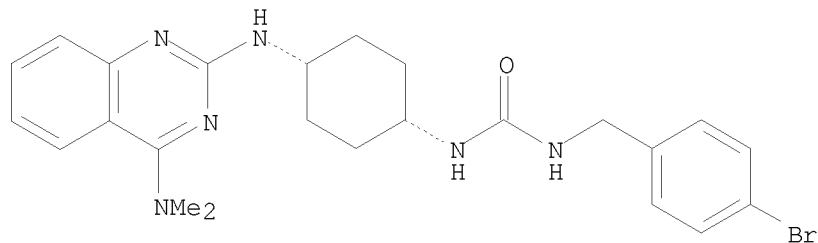
Relative stereochemistry.



RN 774200-60-1 CAPLUS

CN Urea, N-[(4-bromophenyl)methyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

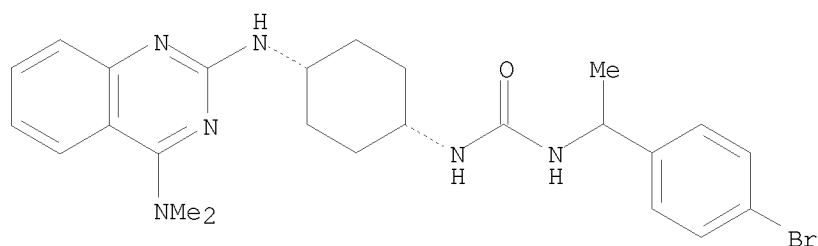


RN 774200-67-8 CAPLUS

CN Urea, N-[1-(4-bromophenyl)ethyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

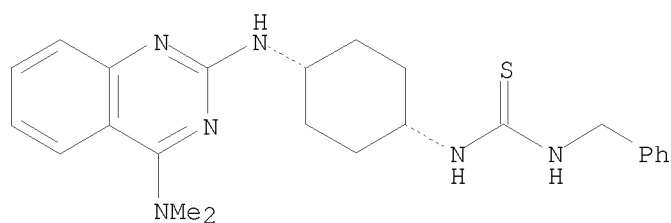
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RN 774200-72-5 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-(phenylmethyl)- (CA INDEX NAME)

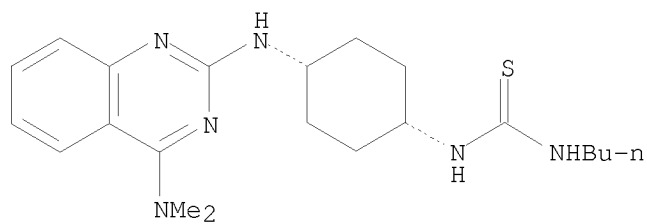
Relative stereochemistry.



RN 774200-75-8 CAPLUS

CN Thiourea, N-butyl-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

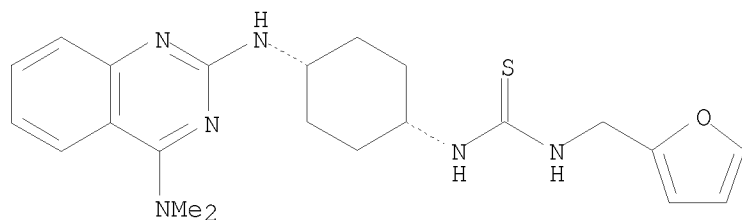
Relative stereochemistry.



RN 774200-90-7 CAPLUS

CN Thiourea, N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N-(2-furanylmethyl)- (CA INDEX NAME)

Relative stereochemistry.

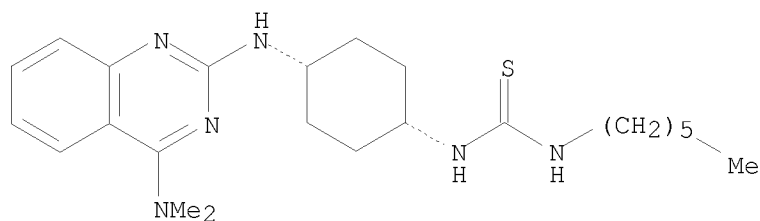


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RN 774200-92-9 CAPLUS

CN Thiourea, N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N-hexyl- (CA INDEX NAME)

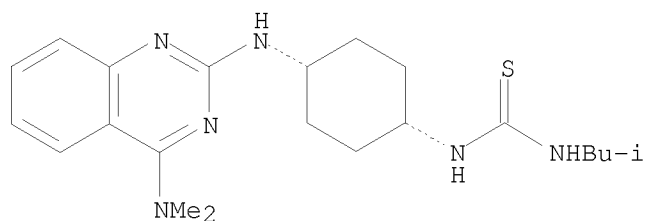
Relative stereochemistry.



RN 774200-94-1 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-(2-methylpropyl)- (CA INDEX NAME)

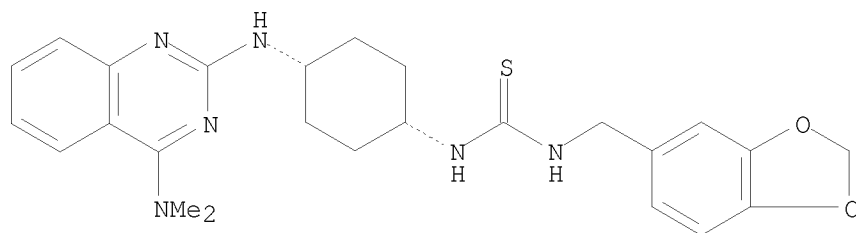
Relative stereochemistry.



RN 774200-96-3 CAPLUS

CN Thiourea, N-(1,3-benzodioxol-5-ylmethyl)-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

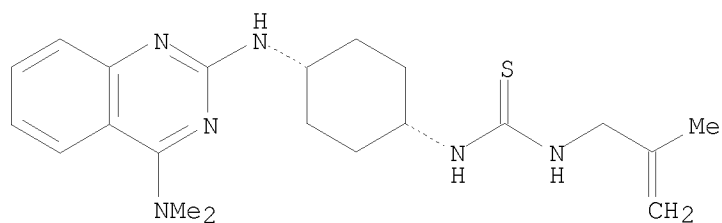


RN 774201-00-2 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-(2-methyl-2-propen-1-yl)- (CA INDEX NAME)

Relative stereochemistry.

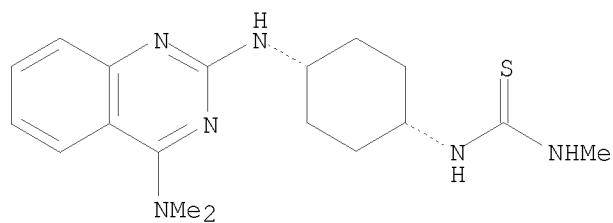
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RN 774201-02-4 CAPLUS

CN Thiourea, N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N-methyl- (CA INDEX NAME)

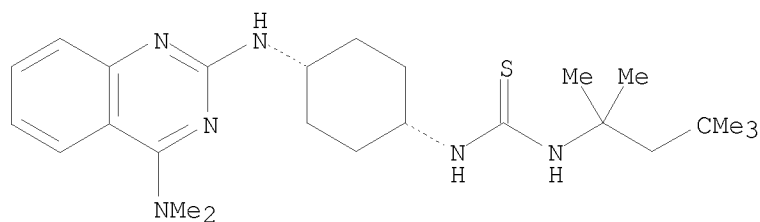
Relative stereochemistry.



RN 774201-06-8 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-(1,1,3,3-tetramethylbutyl)- (CA INDEX NAME)

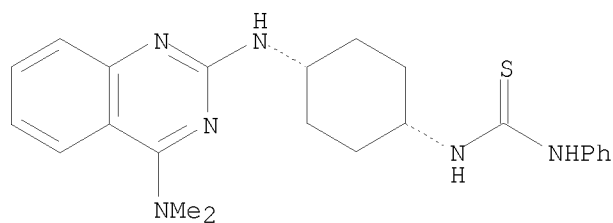
Relative stereochemistry.



RN 774201-07-9 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-phenyl- (CA INDEX NAME)

Relative stereochemistry.

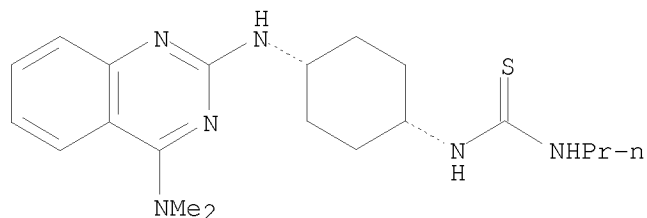


RN 774201-09-1 CAPLUS

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CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-propyl- (CA INDEX NAME)

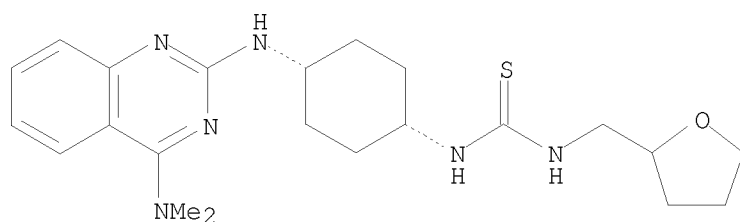
Relative stereochemistry.



RN 774201-12-6 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[(tetrahydro-2-furanyl)methyl]- (CA INDEX NAME)

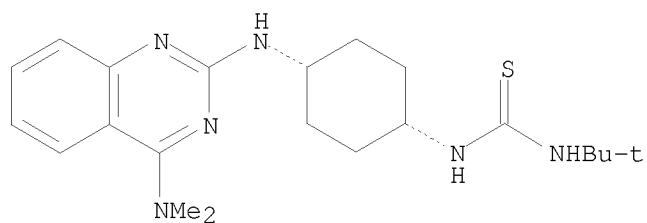
Relative stereochemistry.



RN 774201-15-9 CAPLUS

CN Thiourea, N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N-(1,1-dimethylethyl)- (CA INDEX NAME)

Relative stereochemistry.

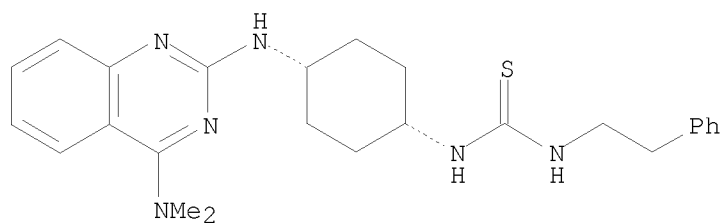


RN 774201-19-3 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-(2-phenylethyl)- (CA INDEX NAME)

Relative stereochemistry.

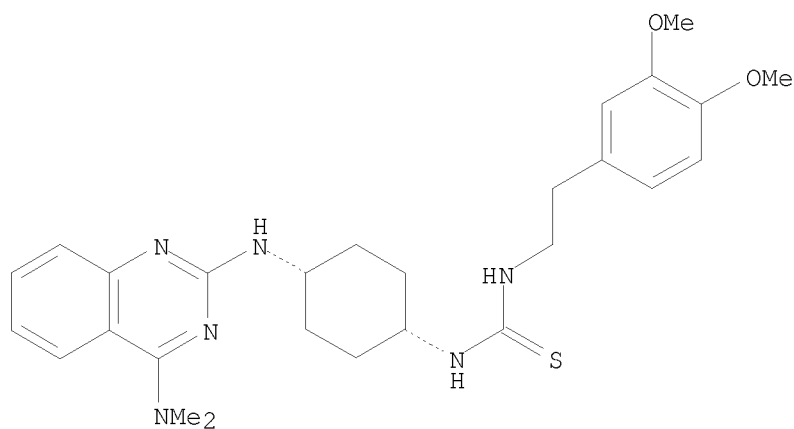
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RN 774201-57-9 CAPLUS

CN Thiourea, N-[2-(3,4-dimethoxyphenyl)ethyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

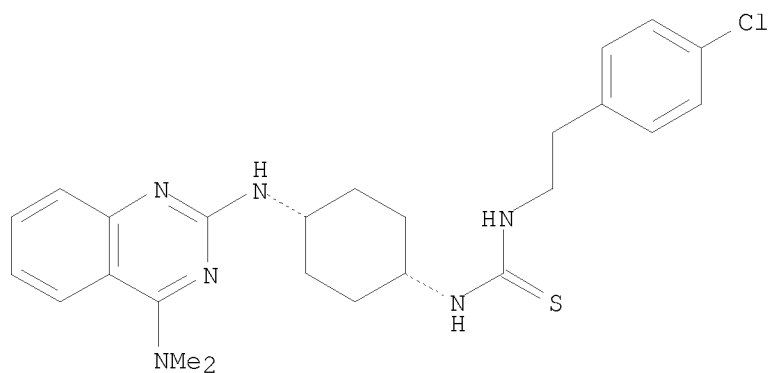
Relative stereochemistry.



RN 774201-58-0 CAPLUS

CN Thiourea, N-[2-(4-chlorophenyl)ethyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

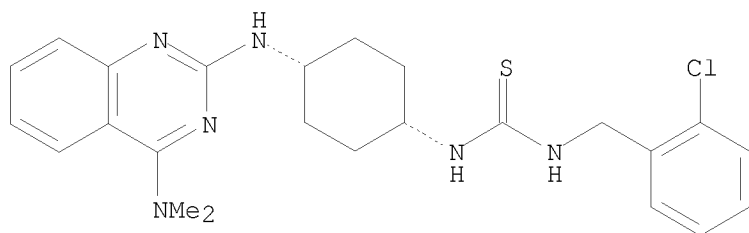


RN 774201-70-6 CAPLUS

CN Thiourea, N-[(2-chlorophenyl)methyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

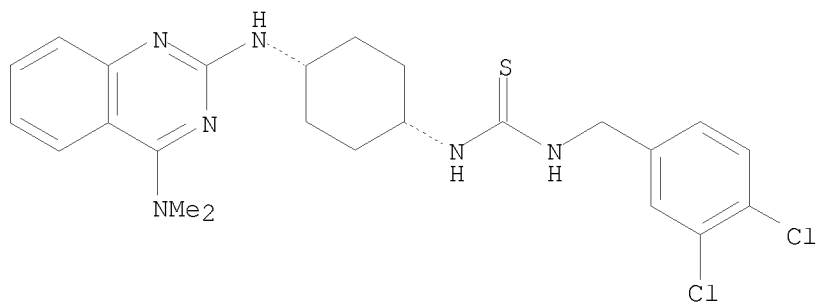
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RN 774201-74-0 CAPLUS

CN Thiourea, N-[(3,4-dichlorophenyl)methyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

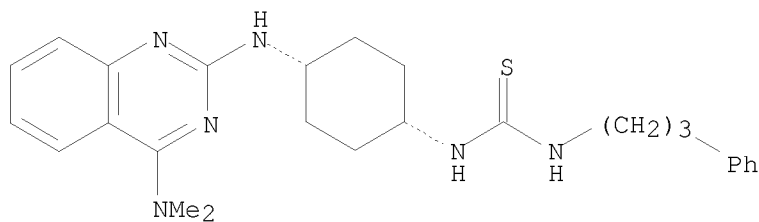
Relative stereochemistry.



RN 774201-80-8 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-(3-phenylpropyl)- (CA INDEX NAME)

Relative stereochemistry.



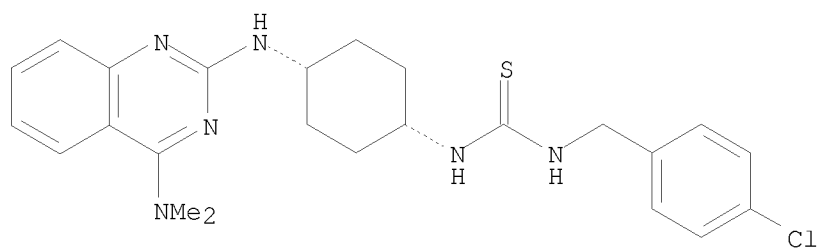
RN 774201-87-5 CAPLUS

CN Thiourea, N-[(4-chlorophenyl)methyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.



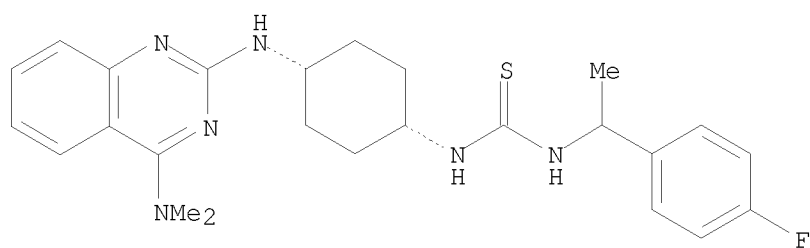
10/ 551,431



RN 774201-89-7 CAPLUS

CN Thiourea, N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N-[1-(4-fluorophenyl)ethyl]- (CA INDEX NAME)

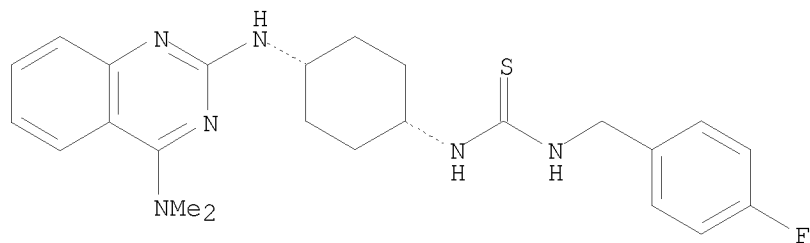
Relative stereochemistry.



RN 774201-90-0 CAPLUS

CN Thiourea, N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N-[(4-fluorophenyl)methyl]- (CA INDEX NAME)

Relative stereochemistry.

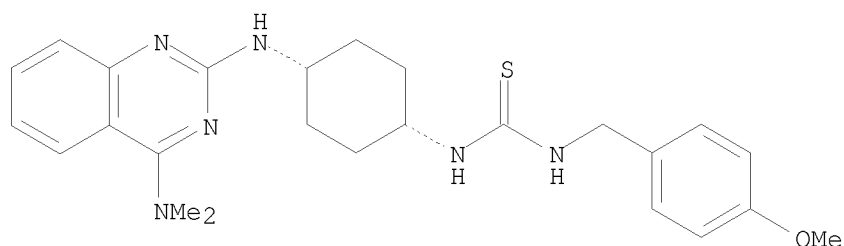


RN 774201-93-3 CAPLUS

CN Thiourea, N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N-[(4-methoxyphenyl)methyl]- (CA INDEX NAME)

Relative stereochemistry.

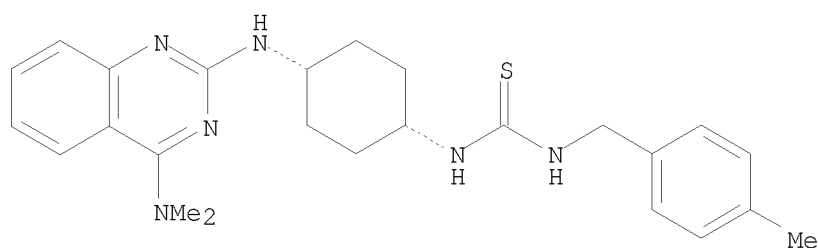
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RN 774201-96-6 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[(4-methylphenyl)methyl]- (CA INDEX NAME)

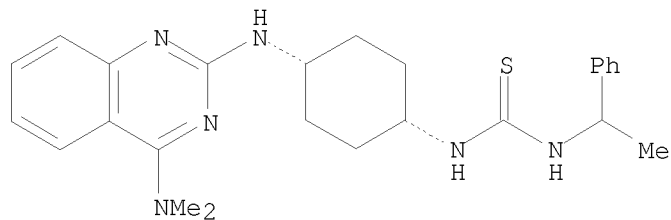
Relative stereochemistry.



RN 774201-99-9 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-(1-phenylethyl)- (CA INDEX NAME)

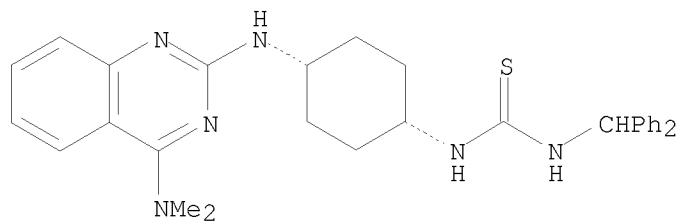
Relative stereochemistry.



RN 774202-00-5 CAPLUS

CN Thiourea, N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N-(diphenylmethyl)- (CA INDEX NAME)

Relative stereochemistry.

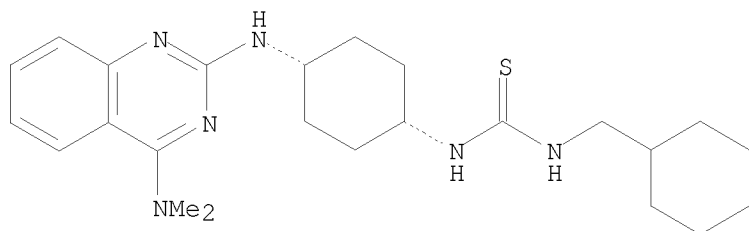


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RN 774202-02-7 CAPLUS

CN Thiourea, N-(cyclohexylmethyl)-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

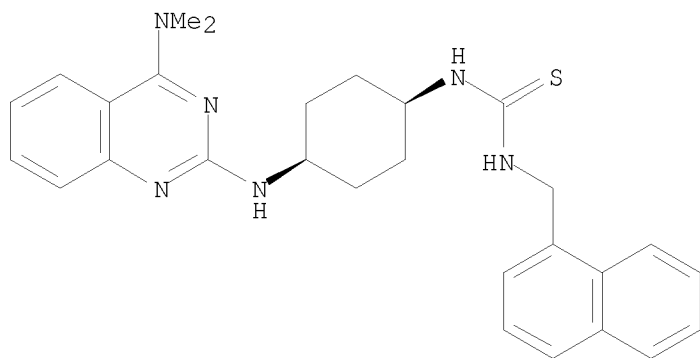
Relative stereochemistry.



RN 774202-05-0 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-(1-naphthalenylmethyl)- (CA INDEX NAME)

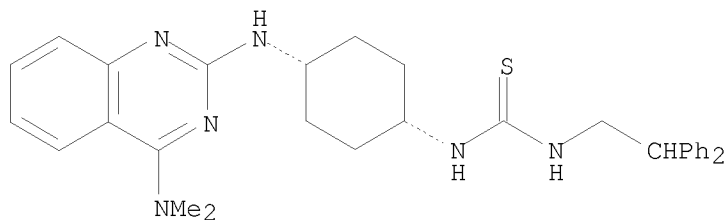
Relative stereochemistry.



RN 774202-06-1 CAPLUS

CN Thiourea, N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N-(2,2-diphenylethyl)- (CA INDEX NAME)

Relative stereochemistry.

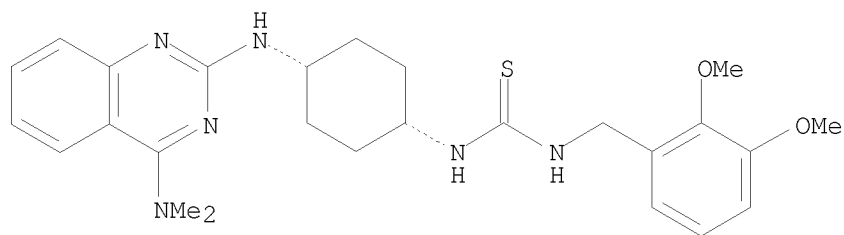


RN 774202-08-3 CAPLUS

CN Thiourea, N-[(2,3-dimethoxyphenyl)methyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

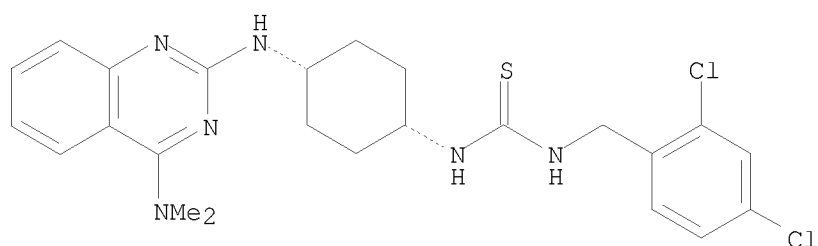
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RN 774202-10-7 CAPLUS

CN Thiourea, N-[(2,4-dichlorophenyl)methyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

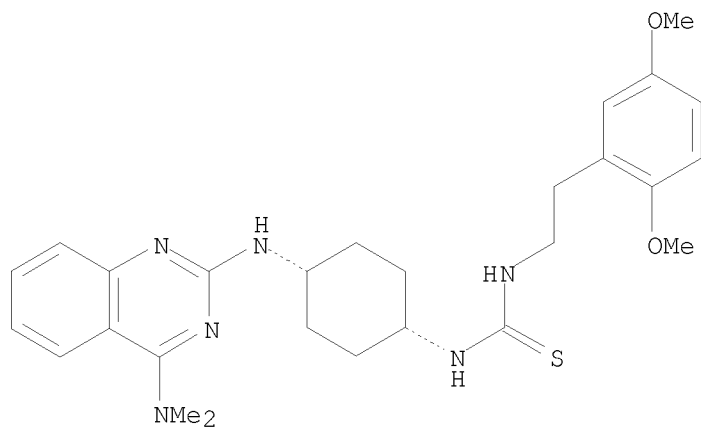
Relative stereochemistry.



RN 774202-12-9 CAPLUS

CN Thiourea, N-[2-(2,5-dimethoxyphenyl)ethyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

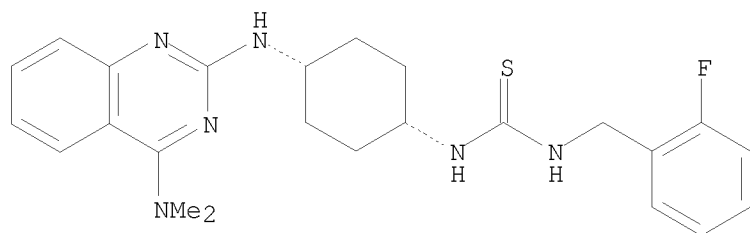


RN 774202-16-3 CAPLUS

CN Thiourea, N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N-[(2-fluorophenyl)methyl]- (CA INDEX NAME)

Relative stereochemistry.

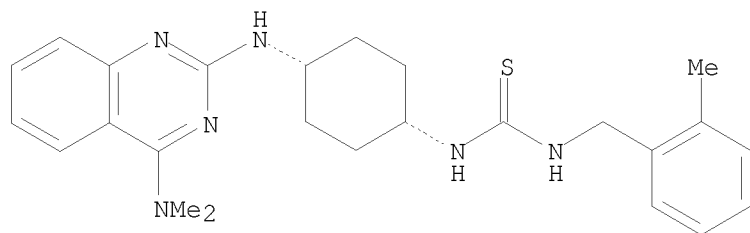
10/ 551,431



RN 774202-19-6 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[(2-methylphenyl)methyl]- (CA INDEX NAME)

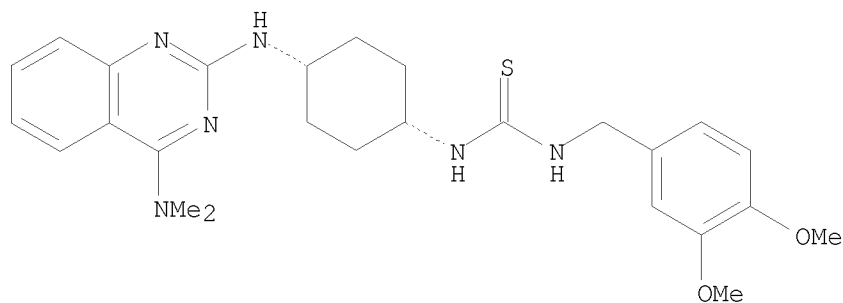
Relative stereochemistry.



RN 774202-20-9 CAPLUS

CN Thiourea, N-[(3,4-dimethoxyphenyl)methyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

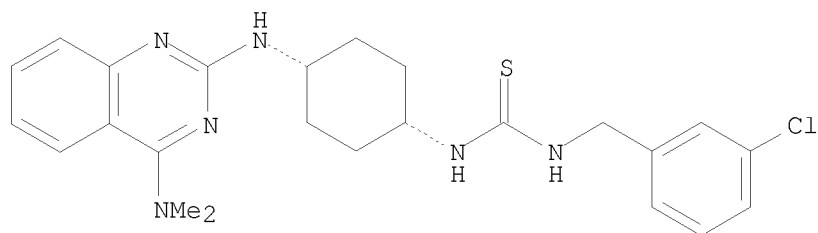


RN 774202-21-0 CAPLUS

CN Thiourea, N-[(3-chlorophenyl)methyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

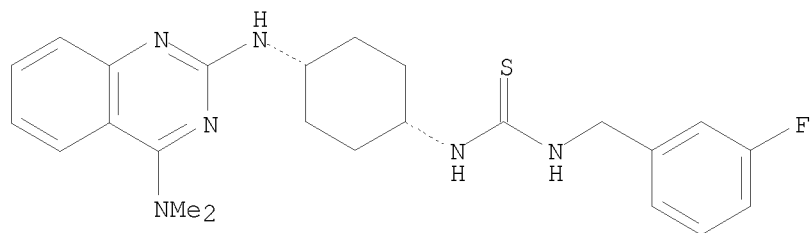
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RN 774202-24-3 CAPLUS

CN Thiourea, N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N-[(3-fluorophenyl)methyl]- (CA INDEX NAME)

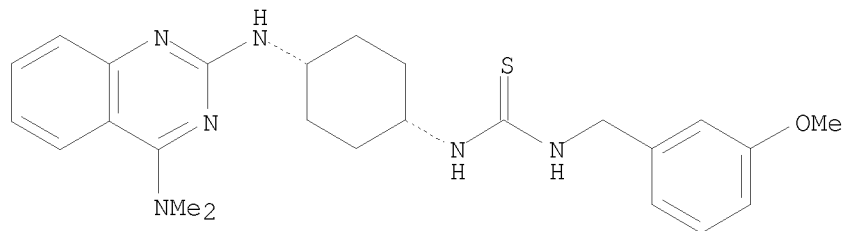
Relative stereochemistry.



RN 774202-25-4 CAPLUS

CN Thiourea, N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N-[(3-methoxyphenyl)methyl]- (CA INDEX NAME)

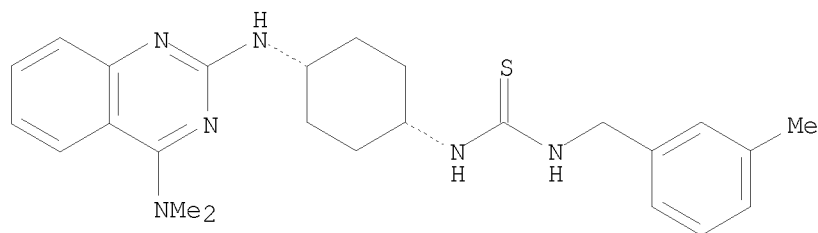
Relative stereochemistry.



RN 774202-26-5 CAPLUS

CN Thiourea, N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[(3-methylphenyl)methyl]- (CA INDEX NAME)

Relative stereochemistry.

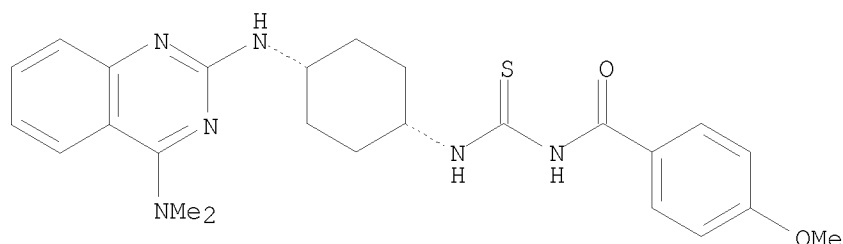


RN 774202-37-8 CAPLUS

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CN Benzamide, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]amino]thioxomethyl]-4-methoxy- (CA INDEX NAME)

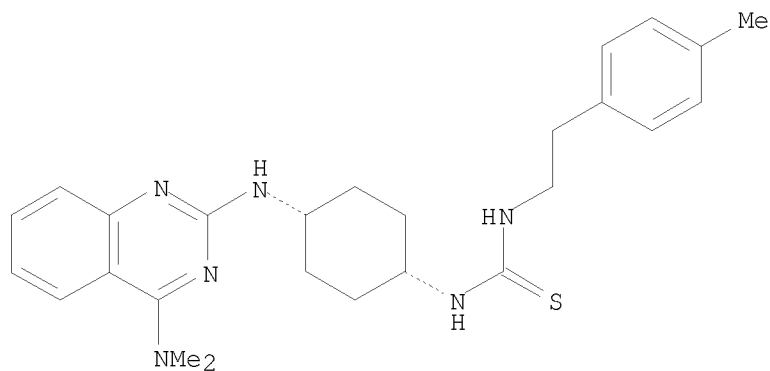
Relative stereochemistry.



RN 774202-38-9 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[2-(4-methylphenyl)ethyl]- (CA INDEX NAME)

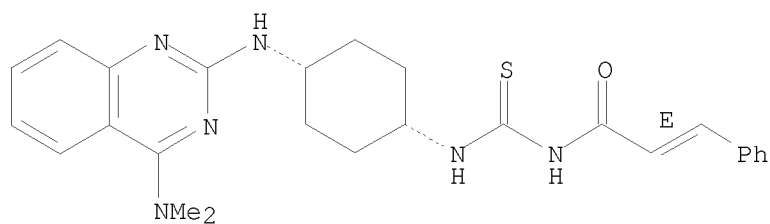
Relative stereochemistry.



RN 774202-42-5 CAPLUS

CN 2-Propenamide, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]amino]thioxomethyl]-3-phenyl-, (2E)- (CA INDEX NAME)

Relative stereochemistry.  
Double bond geometry as shown.

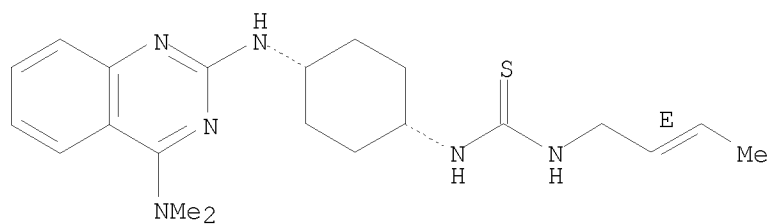


RN 774202-43-6 CAPLUS

CN Thiourea, N-(2E)-2-buten-1-yl-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

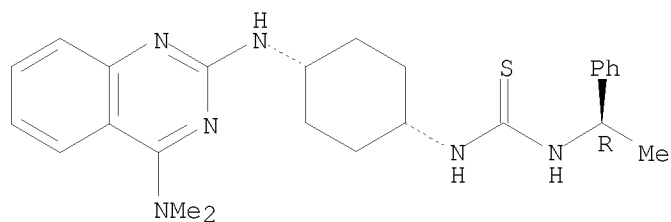
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Relative stereochemistry.  
Double bond geometry as shown.



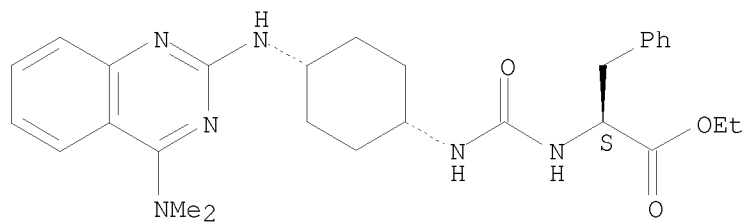
RN 774202-45-8 CAPLUS  
CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[(1R)-1-phenylethyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 774202-52-7 CAPLUS  
CN L-Phenylalanine, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]amino]carbonyl]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.

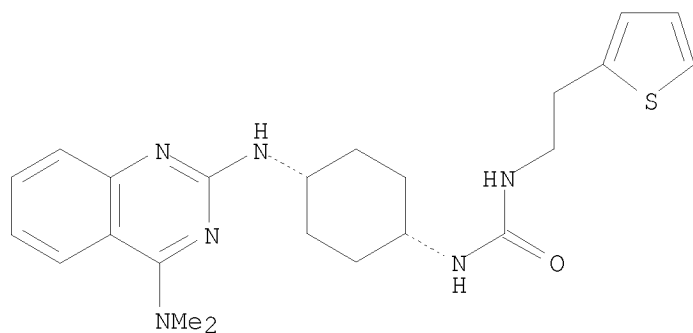


RN 774202-53-8 CAPLUS  
CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[2-(2-thienyl)ethyl]- (CA INDEX NAME)

Relative stereochemistry.



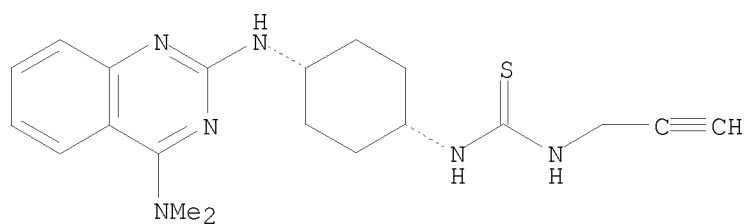
10/ 551,431



RN 774202-72-1 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-2-propyn-1-yl- (CA INDEX NAME)

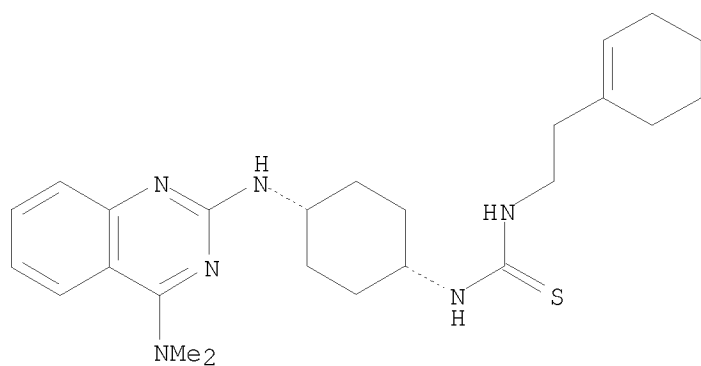
Relative stereochemistry.



RN 774202-74-3 CAPLUS

CN Thiourea, N-[2-(1-cyclohexen-1-yl)ethyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

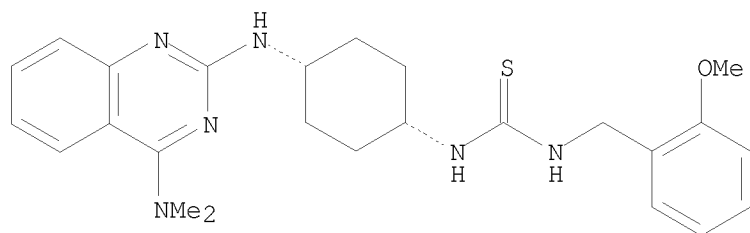


RN 774202-83-4 CAPLUS

CN Thiourea, N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N-[(2-methoxyphenyl)methyl]- (CA INDEX NAME)

Relative stereochemistry.

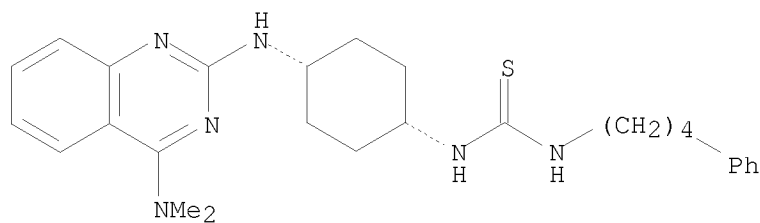
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RN 774202-90-3 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-(4-phenylbutyl)- (CA INDEX NAME)

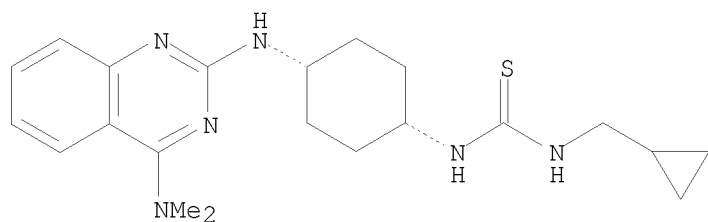
Relative stereochemistry.



RN 774202-93-6 CAPLUS

CN Thiourea, N-(cyclopropylmethyl)-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

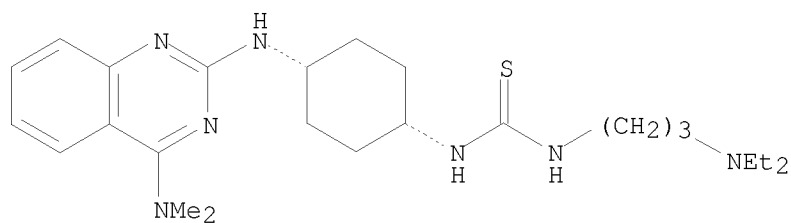
Relative stereochemistry.



RN 774203-01-9 CAPLUS

CN Thiourea, N-[3-(diethylamino)propyl]-N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

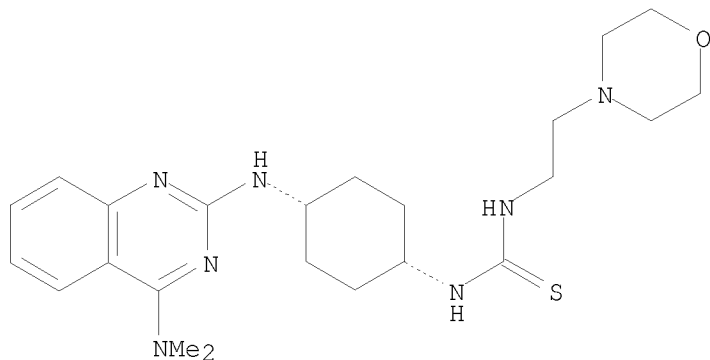


RN 774203-02-0 CAPLUS

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CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[2-(4-morpholinyl)ethyl]- (CA INDEX NAME)

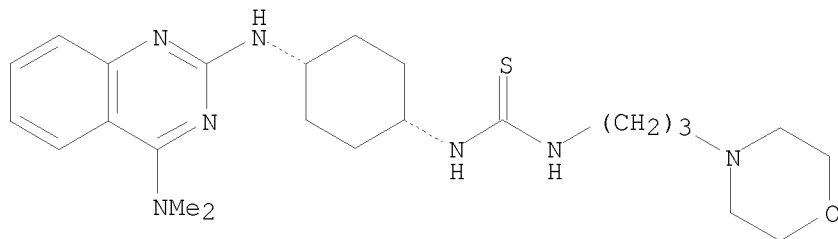
Relative stereochemistry.



RN 774203-06-4 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[3-(4-morpholinyl)propyl]- (CA INDEX NAME)

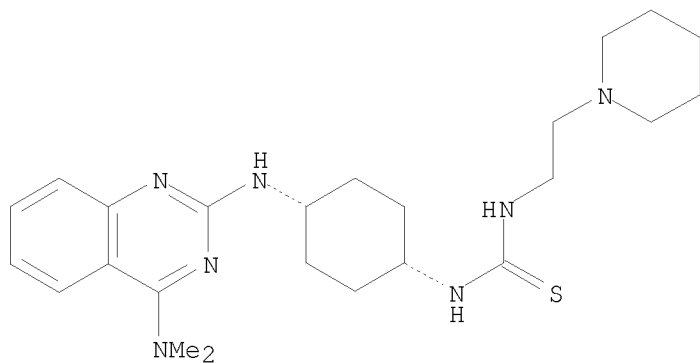
Relative stereochemistry.



RN 774203-09-7 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[2-(1-piperidinyl)ethyl]- (CA INDEX NAME)

Relative stereochemistry.



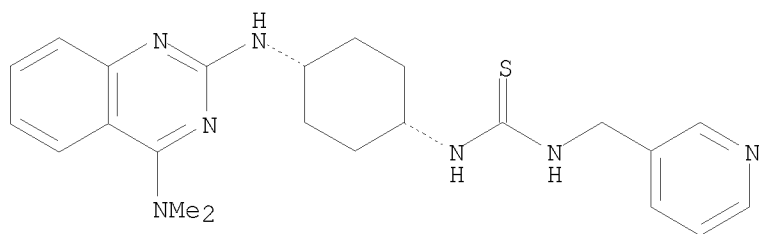
RN 774203-10-0 CAPLUS

CN Thiourea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-

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(3-pyridinylmethyl)- (CA INDEX NAME)

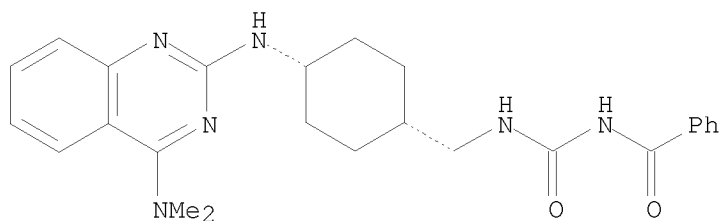
Relative stereochemistry.



RN 774203-22-4 CAPLUS

CN Benzamide, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]amino]carbonyl]- (CA INDEX NAME)

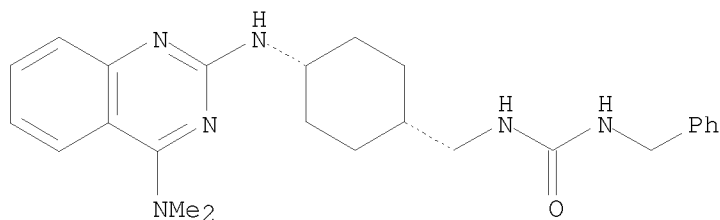
Relative stereochemistry.



RN 774203-24-6 CAPLUS

CN Urea, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(phenylmethyl)- (CA INDEX NAME)

Relative stereochemistry.

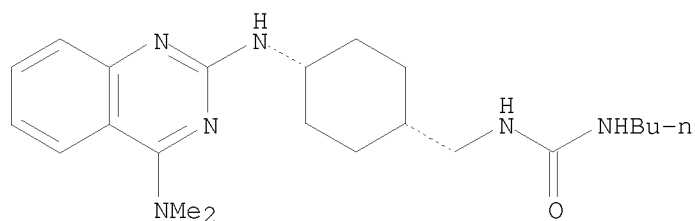


RN 774203-28-0 CAPLUS

CN Urea, N-butyl-N'-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

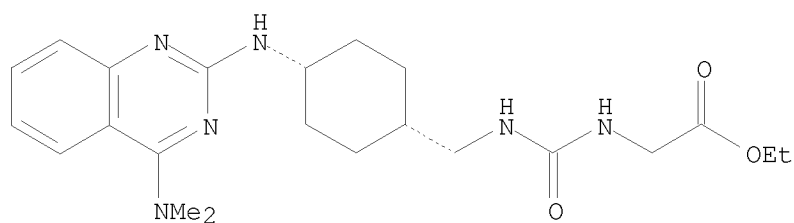
10/ 551,431



RN 774203-43-9 CAPLUS

CN Glycine, N-[[[4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]amino]carbonyl]-, ethyl ester (CA INDEX NAME)

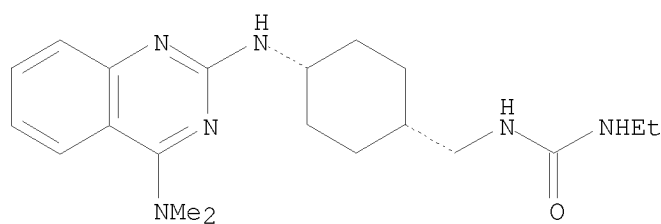
Relative stereochemistry.



RN 774203-47-3 CAPLUS

CN Urea, N-[[[4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-ethyl- (9CI) (CA INDEX NAME)

Relative stereochemistry.

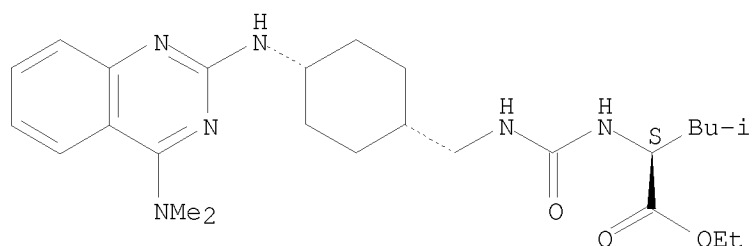


RN 774203-49-5 CAPLUS

CN L-Leucine, N-[[[4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]amino]carbonyl]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.

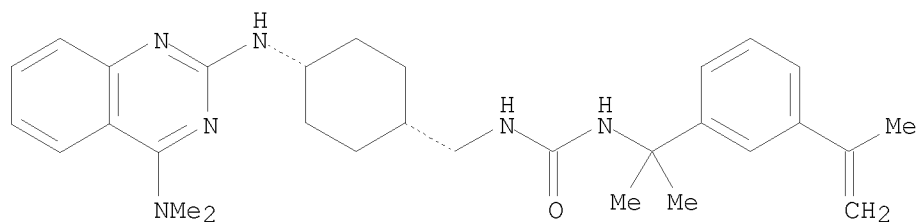
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RN 774203-55-3 CAPLUS

CN Urea, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(1-methyl-1-[3-(1-methylethenyl)phenyl]ethyl)- (CA INDEX NAME)

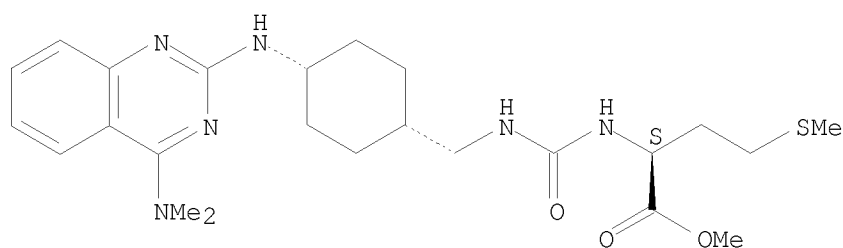
Relative stereochemistry.



RN 774203-56-4 CAPLUS

CN L-Methionine, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]amino]carbonyl]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.

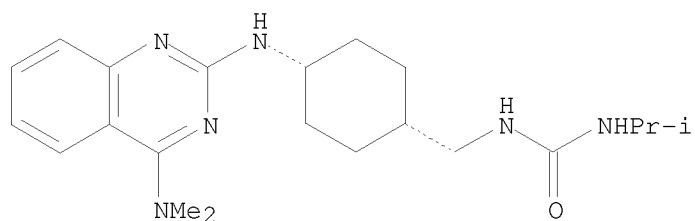


RN 774203-57-5 CAPLUS

CN Urea, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(1-methylethyl)- (CA INDEX NAME)

Relative stereochemistry.

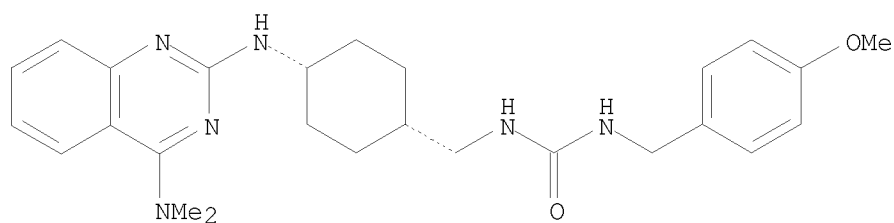
10/ 551,431



RN 774203-63-3 CAPLUS

CN Urea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(4-methoxyphenyl)methyl- (CA INDEX NAME)

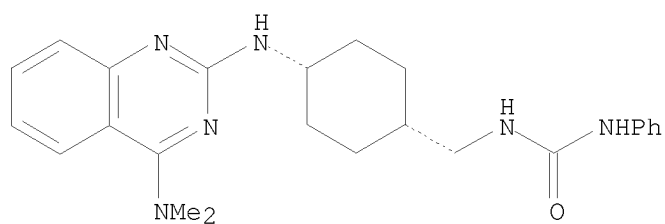
Relative stereochemistry.



RN 774203-66-6 CAPLUS

CN Urea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-phenyl- (CA INDEX NAME)

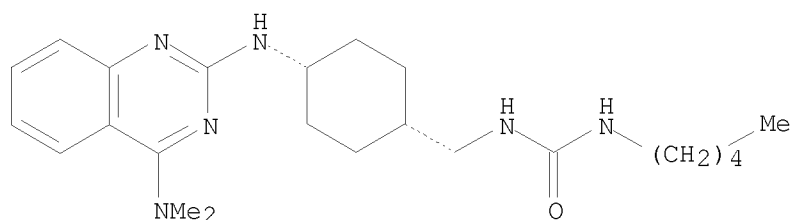
Relative stereochemistry.



RN 774203-68-8 CAPLUS

CN Urea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-pentyl- (CA INDEX NAME)

Relative stereochemistry.

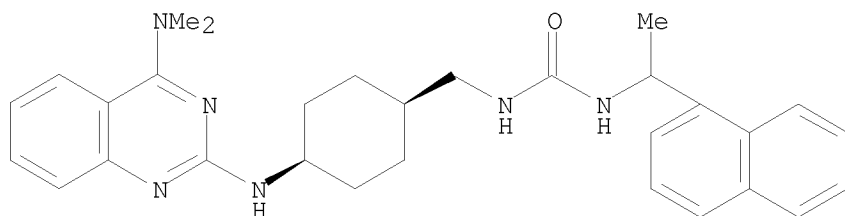


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RN 774203-75-7 CAPLUS

CN Urea, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-[1-(1-naphthalenyl)ethyl]- (CA INDEX NAME)

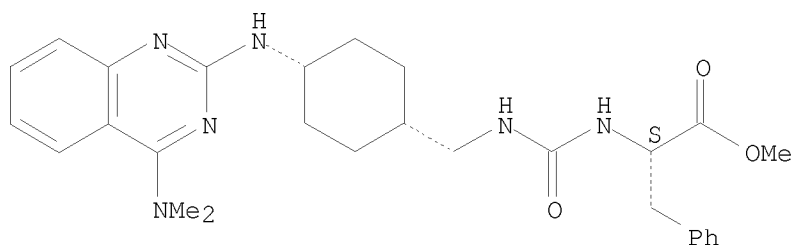
Relative stereochemistry.



RN 774203-76-8 CAPLUS

CN L-Phenylalanine, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]amino]carbonyl]-, methyl ester (CA INDEX NAME)

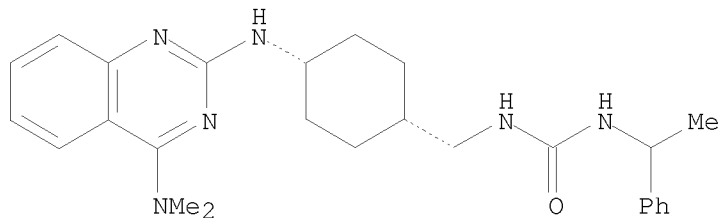
Absolute stereochemistry.



RN 774203-79-1 CAPLUS

CN Urea, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(1-phenylethyl)- (CA INDEX NAME)

Relative stereochemistry.

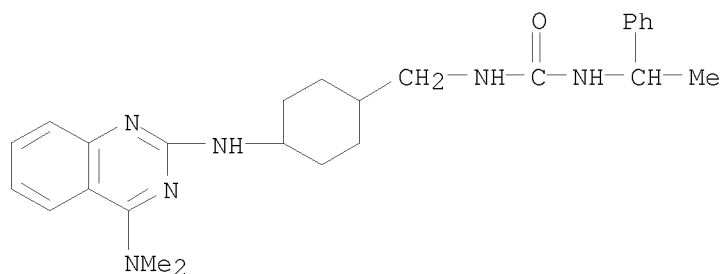


RN 774203-80-4 CAPLUS

CN Urea, N-[[4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(1-phenylethyl)- (CA INDEX NAME)

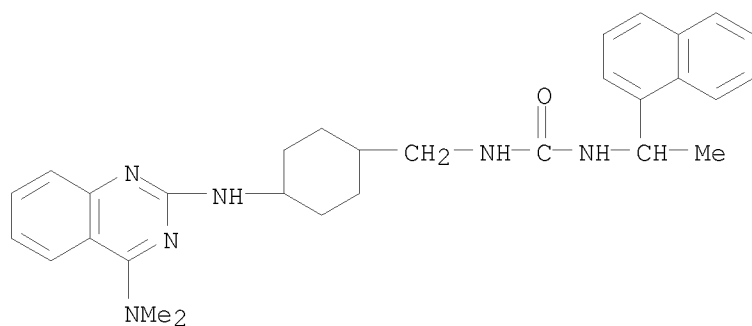


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RN 774203-81-5 CAPLUS

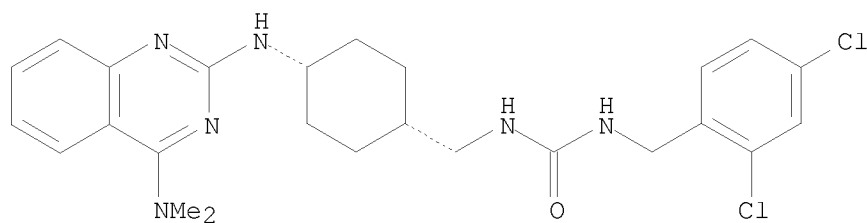
CN Urea, N-[[4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-[1-(1-naphthalenyl)ethyl]- (CA INDEX NAME)



RN 774203-92-8 CAPLUS

CN Urea, N-[(2,4-dichlorophenyl)methyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

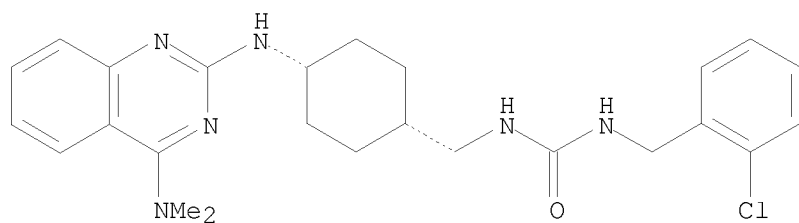


RN 774204-04-5 CAPLUS

CN Urea, N-[(2-chlorophenyl)methyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

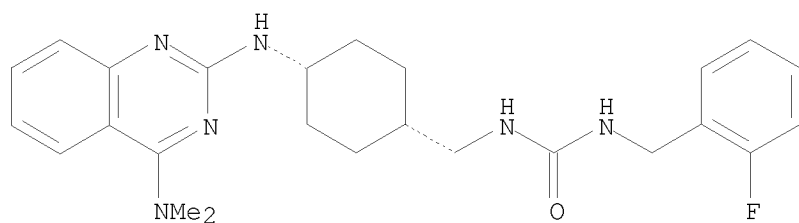
10/ 551,431



RN 774204-13-6 CAPLUS

CN Urea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-[(2-fluorophenyl)methyl]- (CA INDEX NAME)

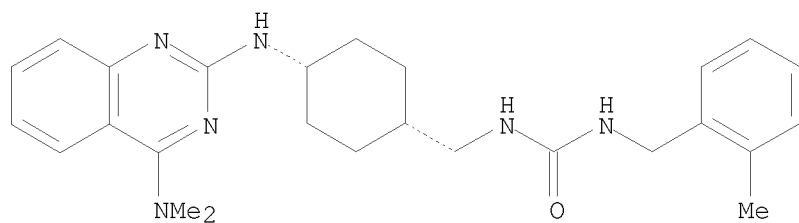
Relative stereochemistry.



RN 774204-24-9 CAPLUS

CN Urea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-[(2-methylphenyl)methyl]- (CA INDEX NAME)

Relative stereochemistry.

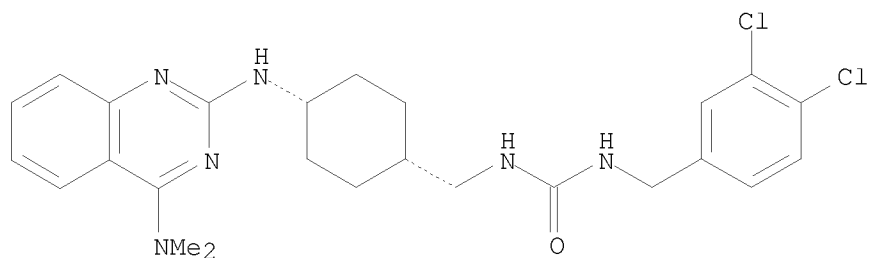


RN 774204-35-2 CAPLUS

CN Urea, N-[(3,4-dichlorophenyl)methyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

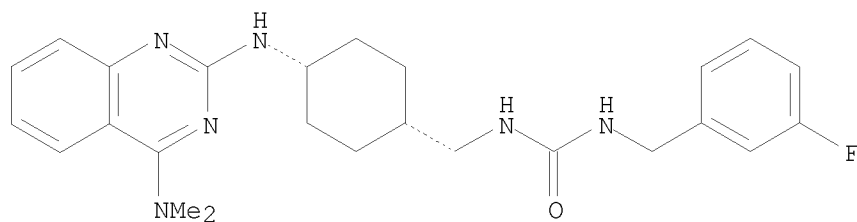
10/ 551,431



RN 774204-47-6 CAPLUS

CN Urea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-[(3-fluorophenyl)methyl]- (CA INDEX NAME)

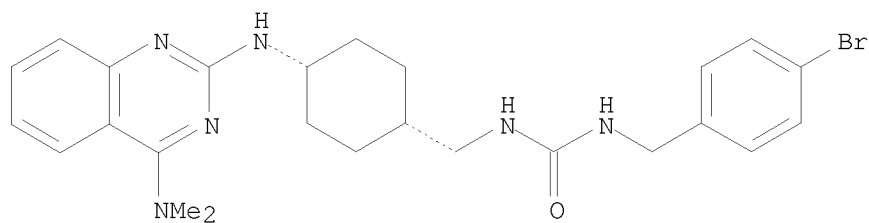
Relative stereochemistry.



RN 774204-58-9 CAPLUS

CN Urea, N-[(4-bromophenyl)methyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

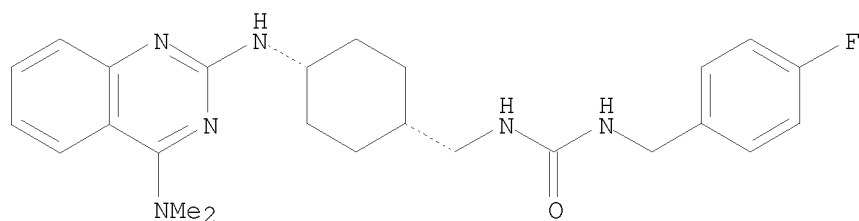


RN 774204-67-0 CAPLUS

CN Urea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-[(4-fluorophenyl)methyl]- (CA INDEX NAME)

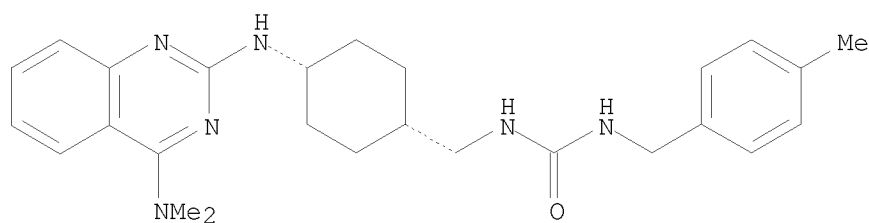
Relative stereochemistry.

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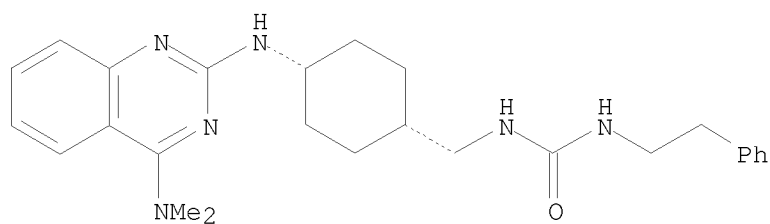
RN 774204-73-8 CAPLUS  
CN Urea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(4-methylphenyl)methyl)- (CA INDEX NAME)

Relative stereochemistry.



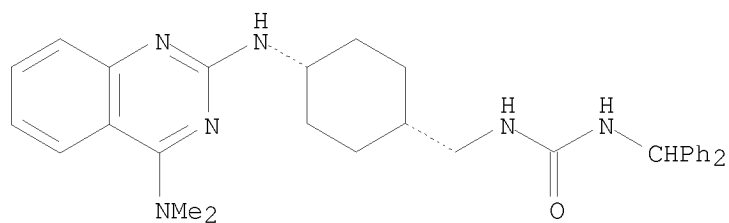
RN 774204-85-2 CAPLUS  
CN Urea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(2-phenylethyl)- (CA INDEX NAME)

Relative stereochemistry.



RN 774204-87-4 CAPLUS  
CN Urea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(diphenylmethyl)- (CA INDEX NAME)

Relative stereochemistry.

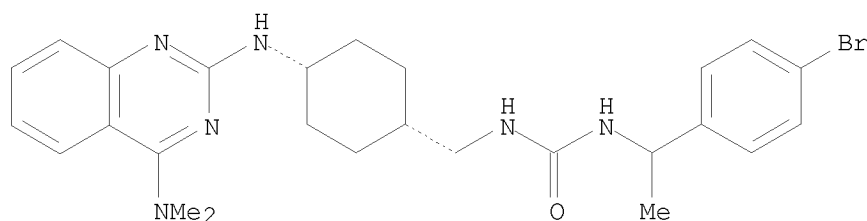


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RN 774204-89-6 CAPLUS

CN Urea, N-[1-(4-bromophenyl)ethyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

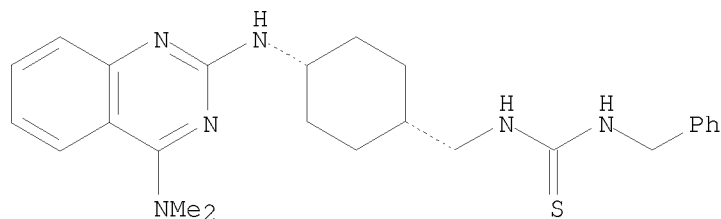
Relative stereochemistry.



RN 774204-94-3 CAPLUS

CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(phenylmethyl)- (CA INDEX NAME)

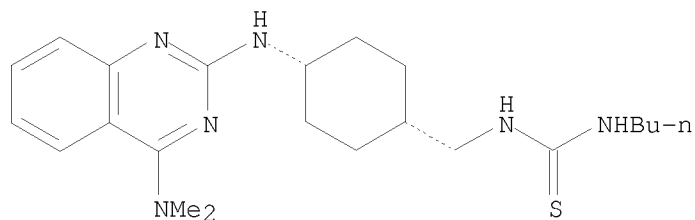
Relative stereochemistry.



RN 774204-97-6 CAPLUS

CN Thiourea, N-butyl-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

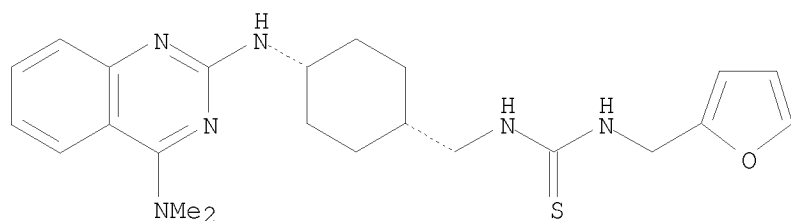


RN 774205-12-8 CAPLUS

CN Thiourea, N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N-(2-furanylmethyl)- (CA INDEX NAME)

Relative stereochemistry.

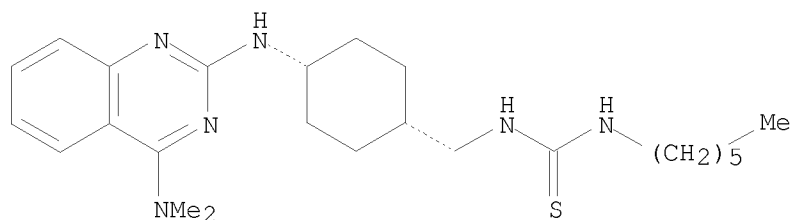
10/ 551,431



RN 774205-14-0 CAPLUS

CN Thiourea, N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N-hexyl- (CA INDEX NAME)

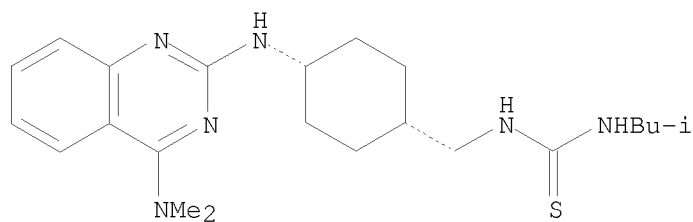
Relative stereochemistry.



RN 774205-16-2 CAPLUS

CN Thiourea, N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(2-methylpropyl)- (CA INDEX NAME)

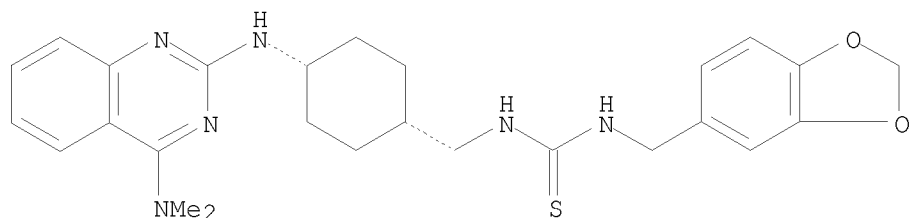
Relative stereochemistry.



RN 774205-18-4 CAPLUS

CN Thiourea, N-(1,3-benzodioxol-5-ylmethyl)-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

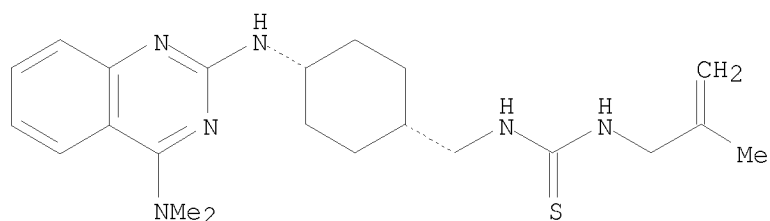


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RN 774205-22-0 CAPLUS

CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(2-methyl-2-propen-1-yl)- (CA INDEX NAME)

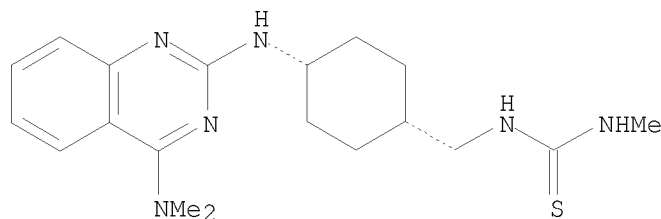
Relative stereochemistry.



RN 774205-24-2 CAPLUS

CN Thiourea, N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N-methyl- (CA INDEX NAME)

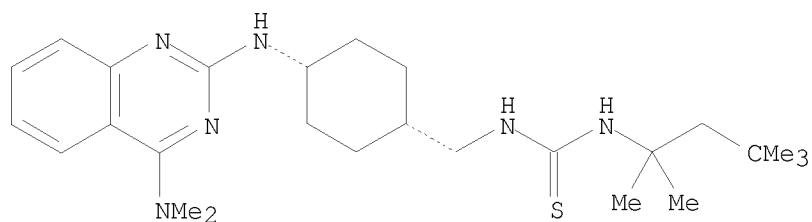
Relative stereochemistry.



RN 774205-28-6 CAPLUS

CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(1,1,3,3-tetramethylbutyl)- (CA INDEX NAME)

Relative stereochemistry.

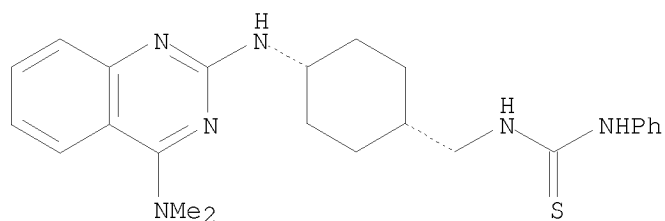


RN 774205-29-7 CAPLUS

CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-phenyl- (CA INDEX NAME)

Relative stereochemistry.

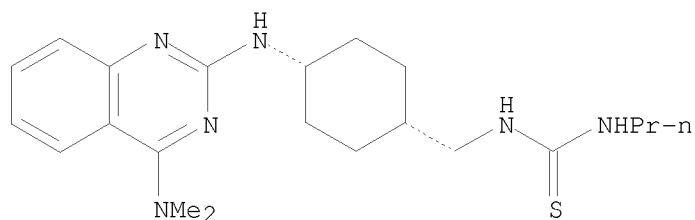
10/ 551,431



RN 774205-31-1 CAPLUS

CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-propyl- (CA INDEX NAME)

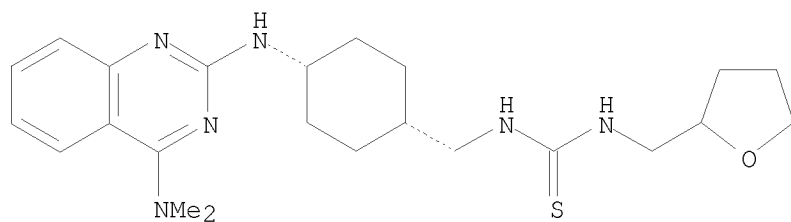
Relative stereochemistry.



RN 774205-34-4 CAPLUS

CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-[ (tetrahydro-2-furanyl)methyl]- (CA INDEX NAME)

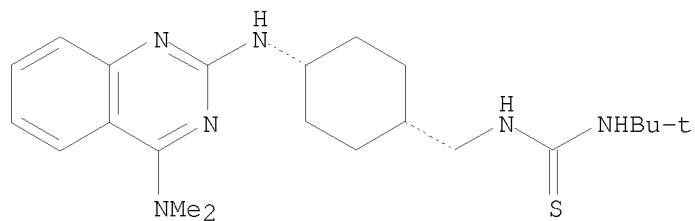
Relative stereochemistry.



RN 774205-37-7 CAPLUS

CN Thiourea, N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N-(1,1-dimethylethyl)- (CA INDEX NAME)

Relative stereochemistry.



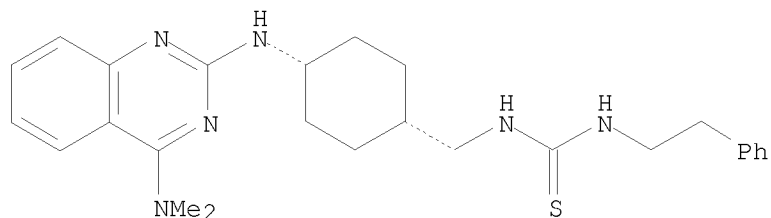


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RN 774205-41-3 CAPLUS

CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(2-phenylethyl)- (CA INDEX NAME)

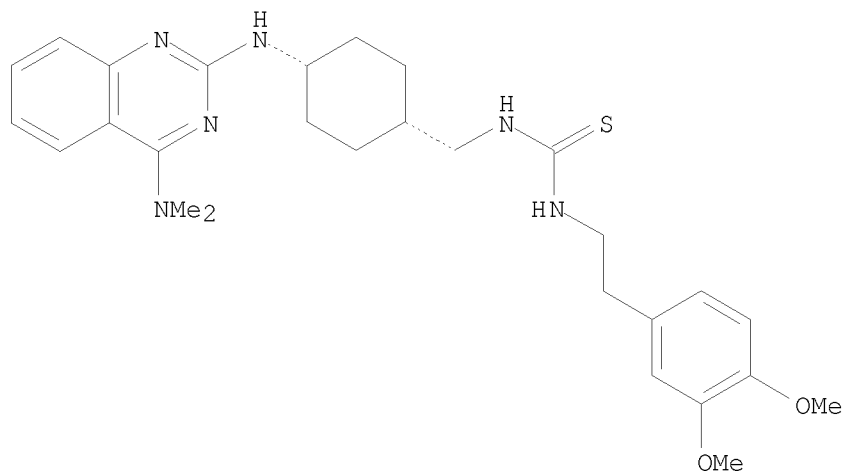
Relative stereochemistry.



RN 774205-85-5 CAPLUS

CN Thiourea, N-[2-(3,4-dimethoxyphenyl)ethyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

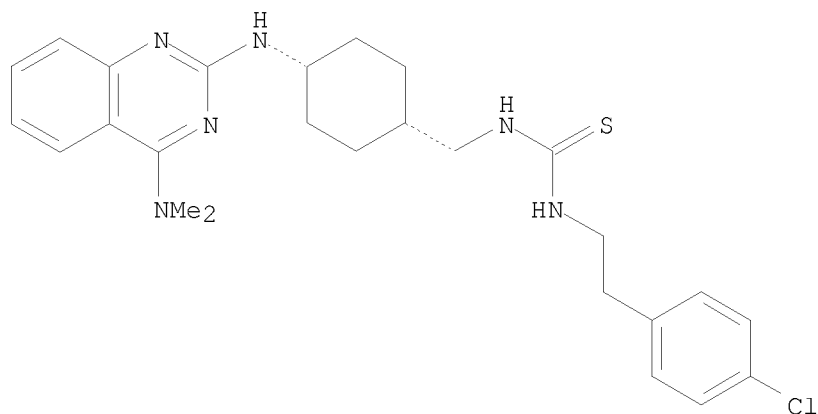


RN 774205-86-6 CAPLUS

CN Thiourea, N-[2-(4-chlorophenyl)ethyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

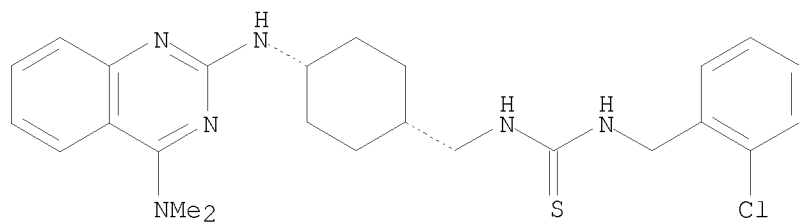
10/ 551,431



RN 774205-98-0 CAPLUS

CN Thiourea, N-[(2-chlorophenyl)methyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

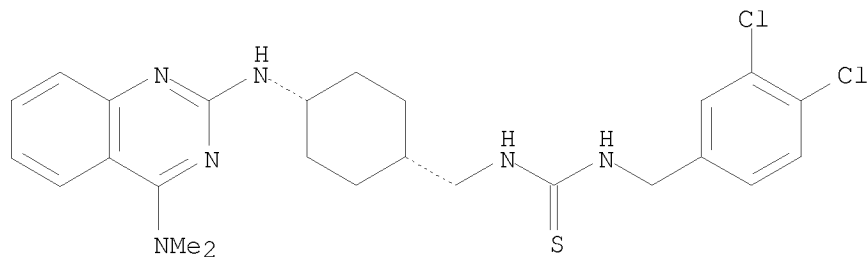
Relative stereochemistry.



RN 774206-02-9 CAPLUS

CN Thiourea, N-[(3,4-dichlorophenyl)methyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

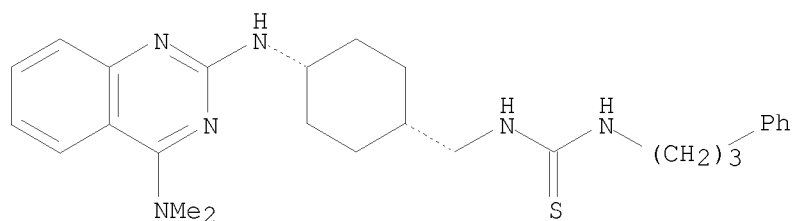


RN 774206-09-6 CAPLUS

CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(3-phenylpropyl)- (CA INDEX NAME)

Relative stereochemistry.

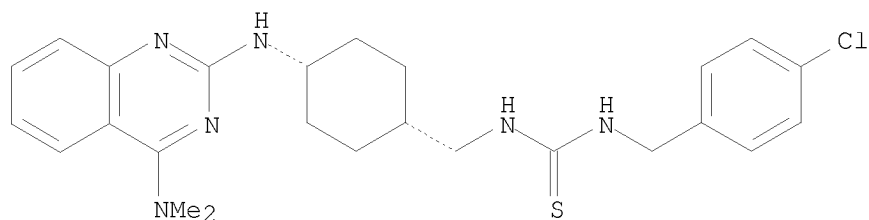
10/ 551,431



RN 774206-15-4 CAPLUS

CN Thiourea, N-[(4-chlorophenyl)methyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

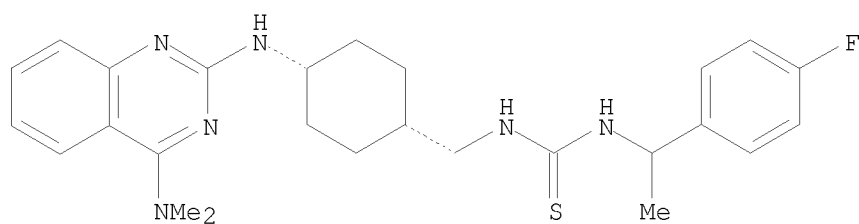
Relative stereochemistry.



RN 774206-17-6 CAPLUS

CN Thiourea, N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N-[1-(4-fluorophenyl)ethyl]- (CA INDEX NAME)

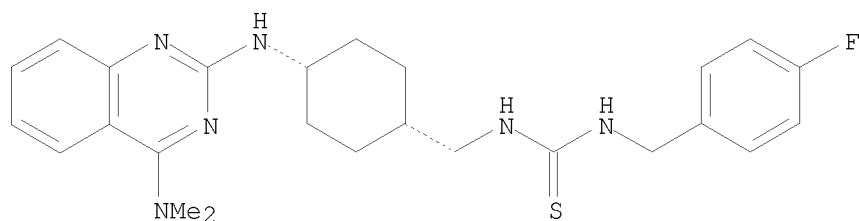
Relative stereochemistry.



RN 774206-18-7 CAPLUS

CN Thiourea, N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N-[(4-fluorophenyl)methyl]- (CA INDEX NAME)

Relative stereochemistry.

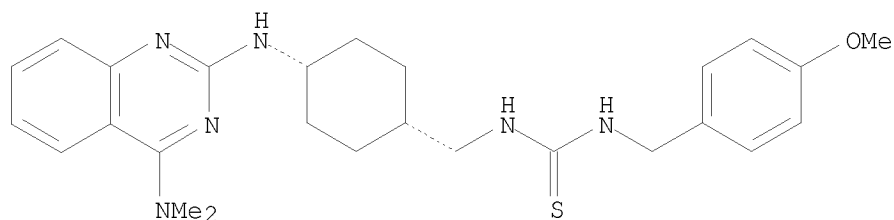


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RN 774206-21-2 CAPLUS

CN Thiourea, N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N-[(4-methoxyphenyl)methyl]- (CA INDEX NAME)

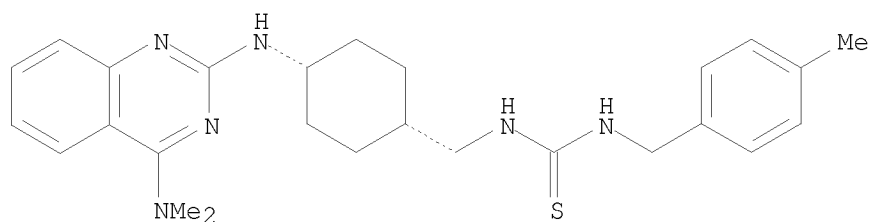
Relative stereochemistry.



RN 774206-24-5 CAPLUS

CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-[(4-methylphenyl)methyl]- (CA INDEX NAME)

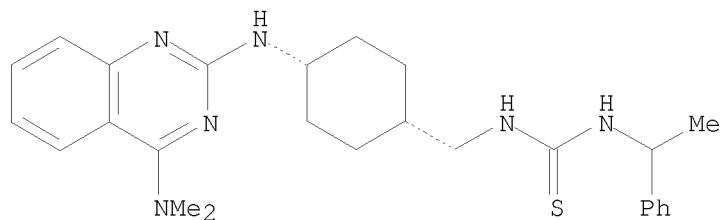
Relative stereochemistry.



RN 774206-27-8 CAPLUS

CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(1-phenylethyl)- (CA INDEX NAME)

Relative stereochemistry.

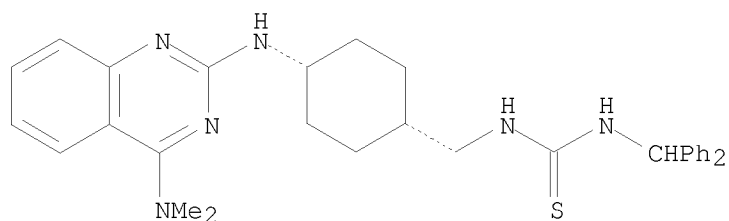


RN 774206-28-9 CAPLUS

CN Thiourea, N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N-(diphenylmethyl)- (CA INDEX NAME)

Relative stereochemistry.

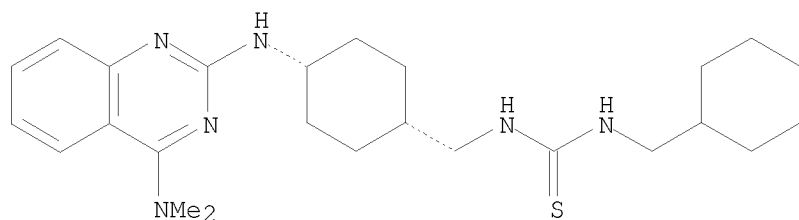
10/ 551,431



RN 774206-30-3 CAPLUS

CN Thiourea, N-(cyclohexylmethyl)-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

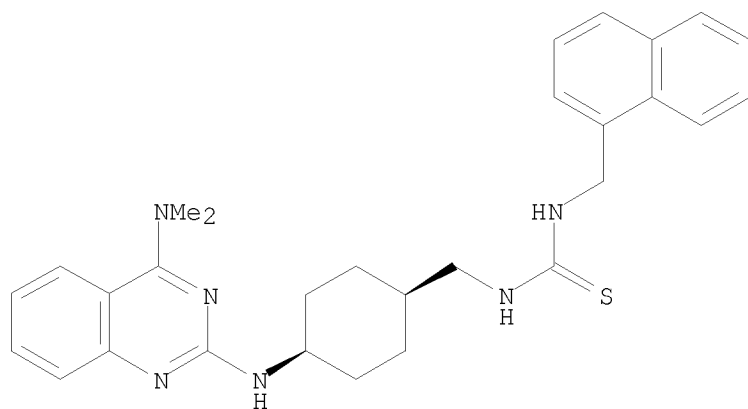
Relative stereochemistry.



RN 774206-33-6 CAPLUS

CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(1-naphthalenylmethyl)- (CA INDEX NAME)

Relative stereochemistry.

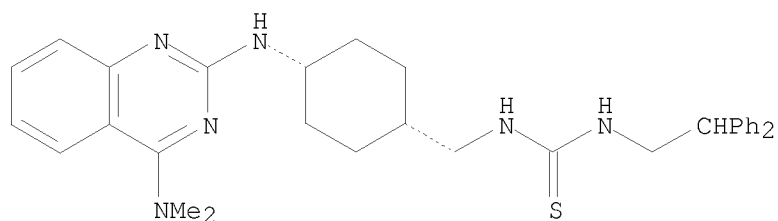


RN 774206-34-7 CAPLUS

CN Thiourea, N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N-(2,2-diphenylethyl)- (CA INDEX NAME)

Relative stereochemistry.

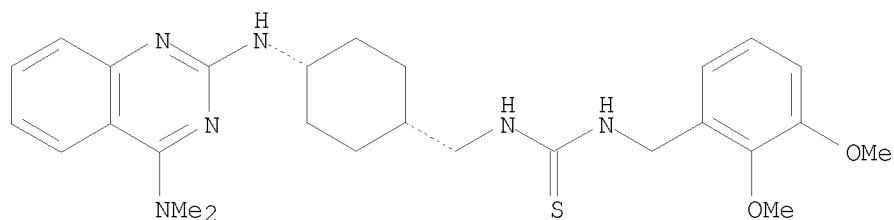
10/ 551,431



RN 774206-36-9 CAPLUS

CN Thiourea, N-[(2,3-dimethoxyphenyl)methyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

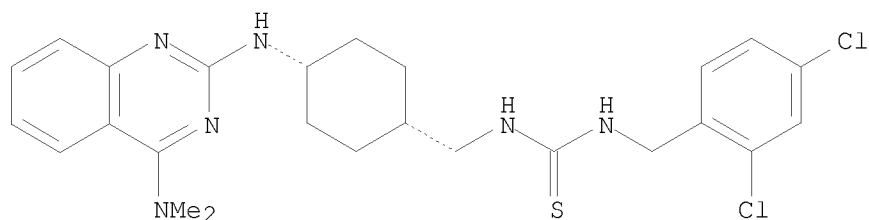
Relative stereochemistry.



RN 774206-38-1 CAPLUS

CN Thiourea, N-[(2,4-dichlorophenyl)methyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

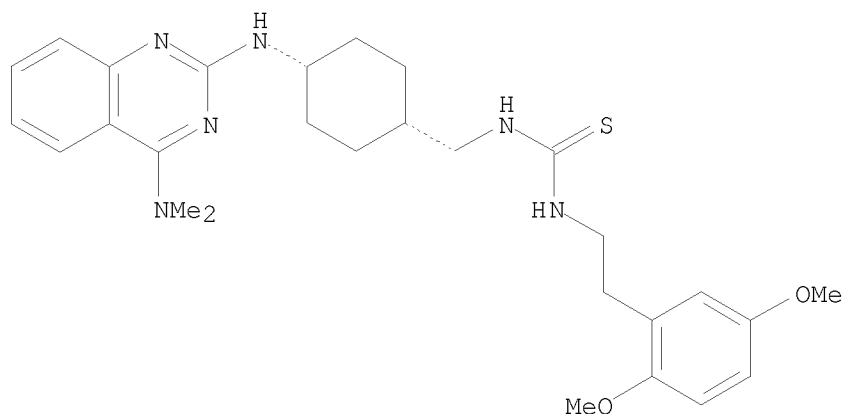


RN 774206-40-5 CAPLUS

CN Thiourea, N-[2-(2,5-dimethoxyphenyl)ethyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

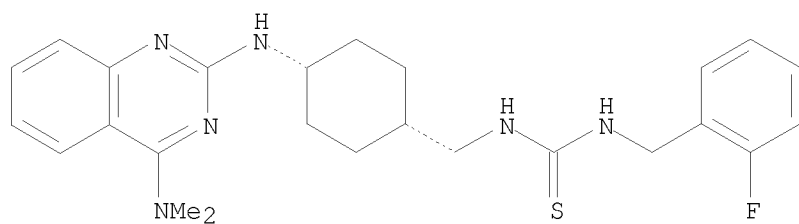
Relative stereochemistry.

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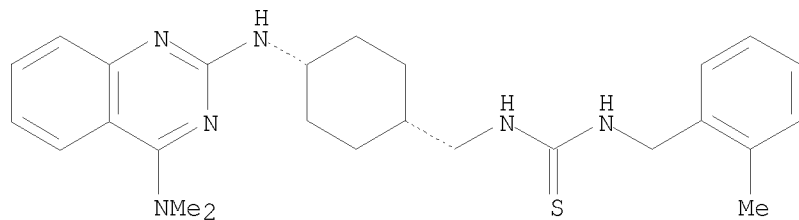
RN 774206-44-9 CAPLUS  
CN Thiourea, N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N-[(2-fluorophenyl)methyl]- (CA INDEX NAME)

Relative stereochemistry.



RN 774206-47-2 CAPLUS  
CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-[(2-methylphenyl)methyl]- (CA INDEX NAME)

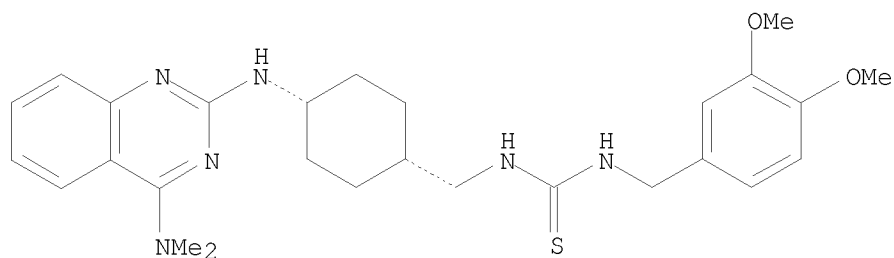
Relative stereochemistry.



RN 774206-48-3 CAPLUS  
CN Thiourea, N-[(3,4-dimethoxyphenyl)methyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

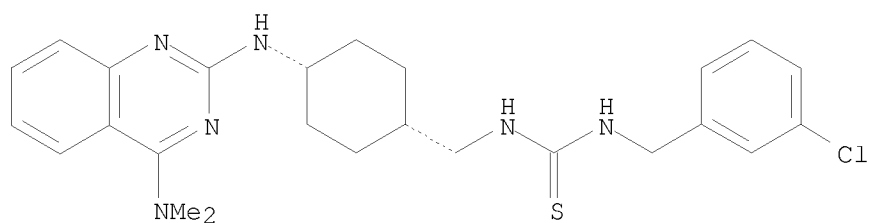
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RN 774206-49-4 CAPLUS

CN Thiourea, N-[(3-chlorophenyl)methyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

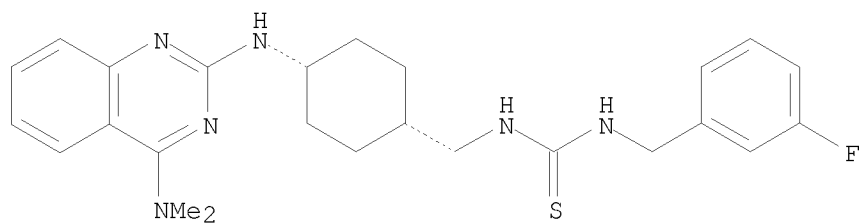
Relative stereochemistry.



RN 774206-52-9 CAPLUS

CN Thiourea, N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N-[(3-fluorophenyl)methyl]- (CA INDEX NAME)

Relative stereochemistry.



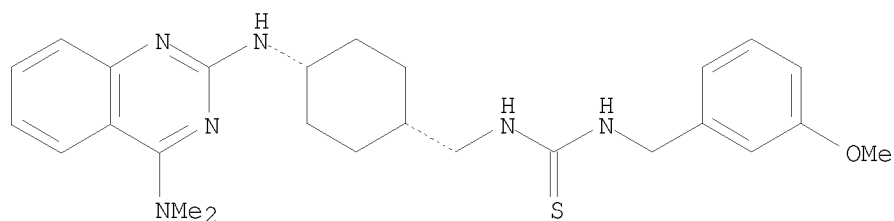
RN 774206-53-0 CAPLUS

CN Thiourea, N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N-[(3-methoxyphenyl)methyl]- (CA INDEX NAME)

Relative stereochemistry.

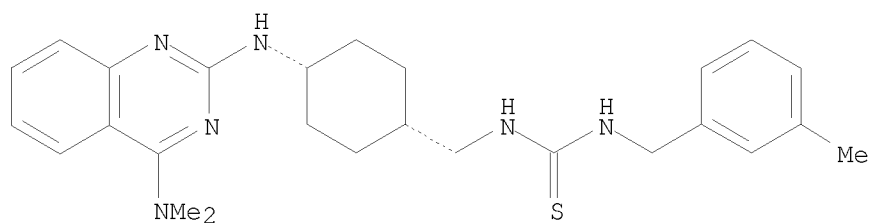


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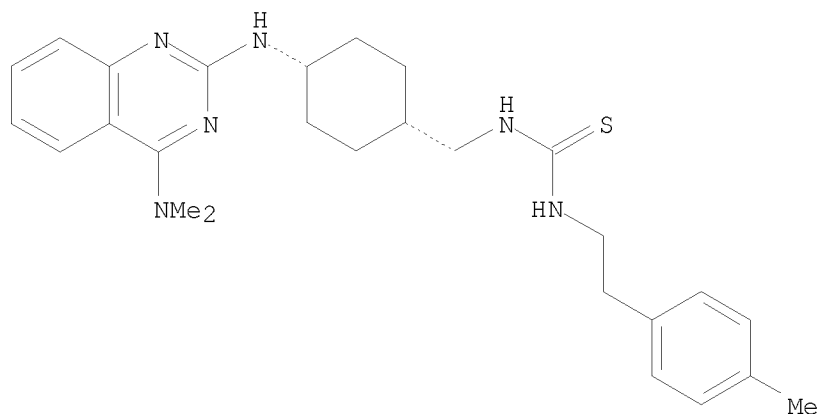
RN 774206-54-1 CAPLUS  
CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-[(3-methylphenyl)methyl]- (CA INDEX NAME)

Relative stereochemistry.



RN 774206-64-3 CAPLUS  
CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-[2-(4-methylphenyl)ethyl]- (CA INDEX NAME)

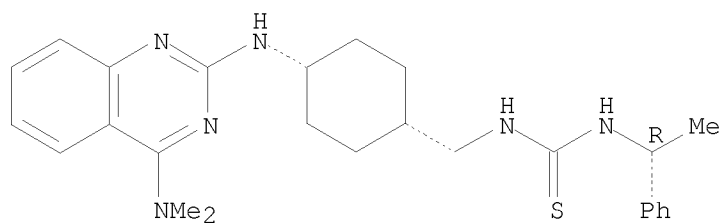
Relative stereochemistry.



RN 774206-69-8 CAPLUS  
CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-[(1R)-1-phenylethyl]- (CA INDEX NAME)

Absolute stereochemistry.

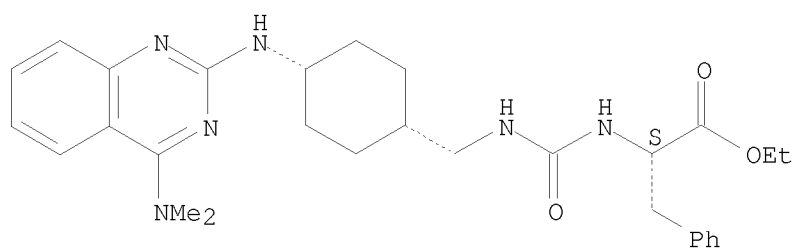
10/ 551,431



RN 774206-76-7 CAPLUS

CN L-Phenylalanine, N-[[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]amino]carbonyl]-, ethyl ester (CA INDEX NAME)

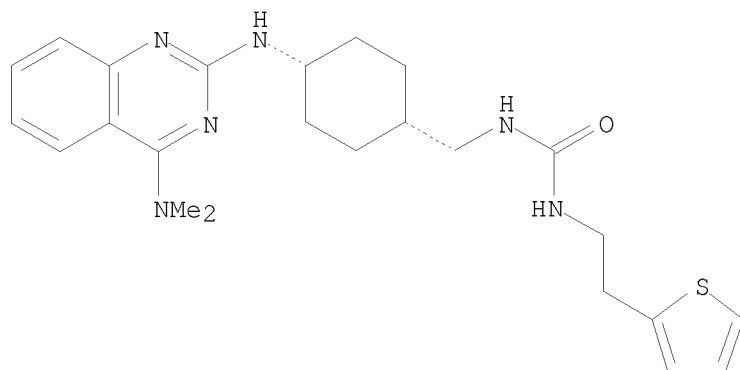
Absolute stereochemistry.



RN 774206-77-8 CAPLUS

CN Urea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-[2-(2-thienyl)ethyl]- (CA INDEX NAME)

Relative stereochemistry.

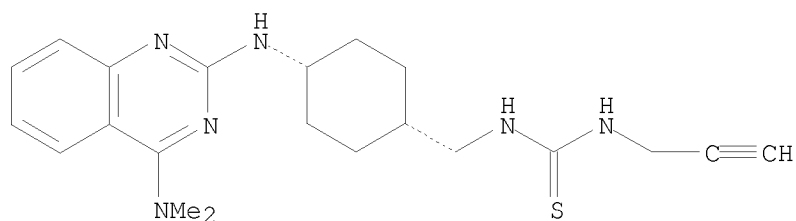


RN 774206-97-2 CAPLUS

CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-2-propyn-1-yl- (CA INDEX NAME)

Relative stereochemistry.

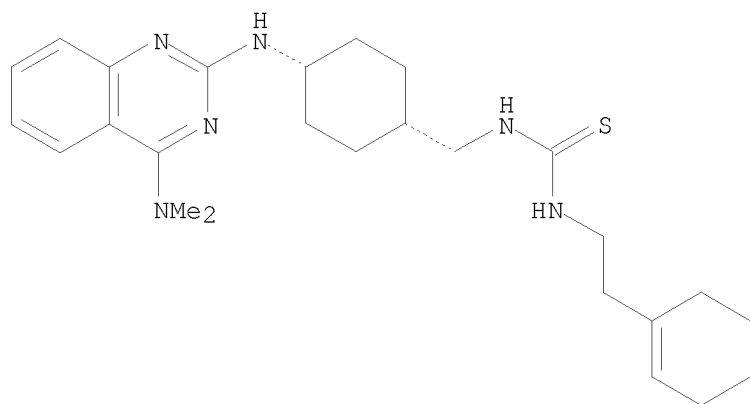
10/ 551,431



RN 774206-99-4 CAPLUS

CN Thiourea, N-[2-(1-cyclohexen-1-yl)ethyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

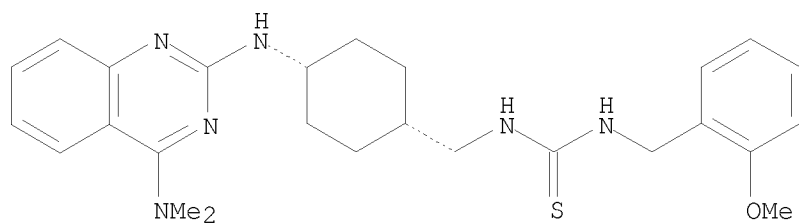
Relative stereochemistry.



RN 774207-08-8 CAPLUS

CN Thiourea, N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N-[(2-methoxyphenyl)methyl]- (CA INDEX NAME)

Relative stereochemistry.

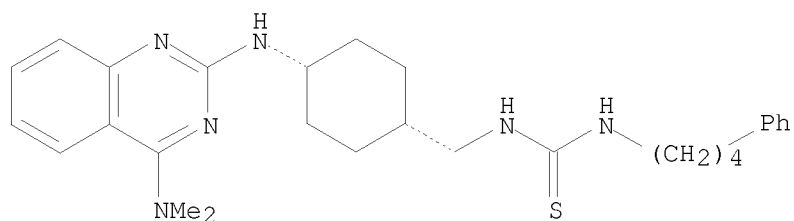


RN 774207-15-7 CAPLUS

CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-(4-phenylbutyl)- (CA INDEX NAME)

Relative stereochemistry.

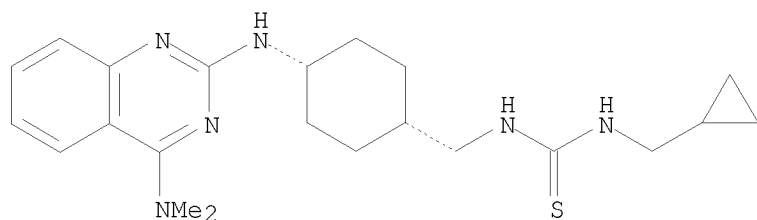
10/ 551,431



RN 774207-18-0 CAPLUS

CN Thiourea, N-(cyclopropylmethyl)-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

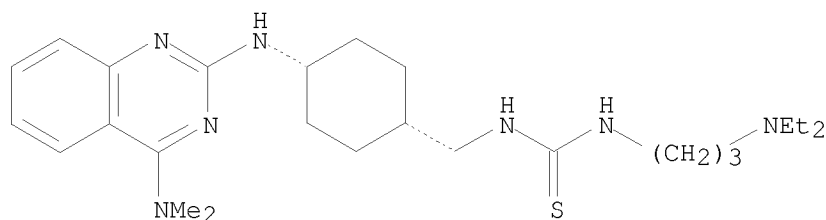
Relative stereochemistry.



RN 774207-25-9 CAPLUS

CN Thiourea, N-[3-(diethylamino)propyl]-N'-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

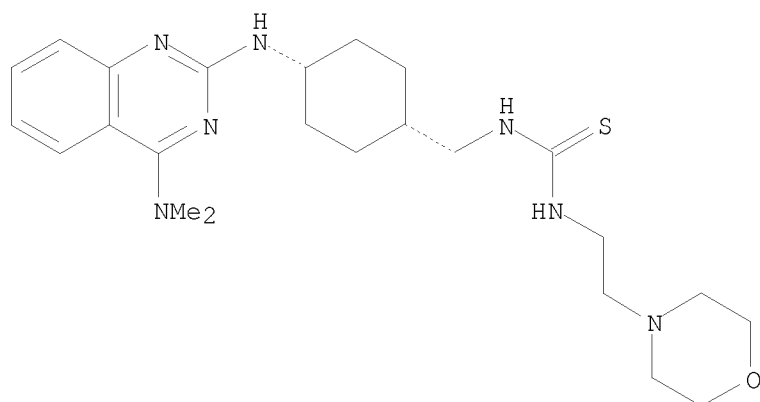


RN 774207-26-0 CAPLUS

CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-[2-(4-morpholinyl)ethyl]- (CA INDEX NAME)

Relative stereochemistry.

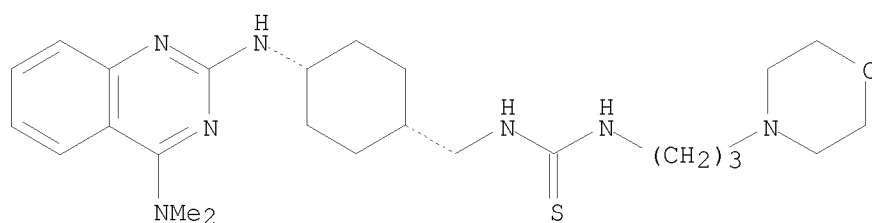
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RN 774207-28-2 CAPLUS

CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-[3-(4-morpholinyl)propyl]- (CA INDEX NAME)

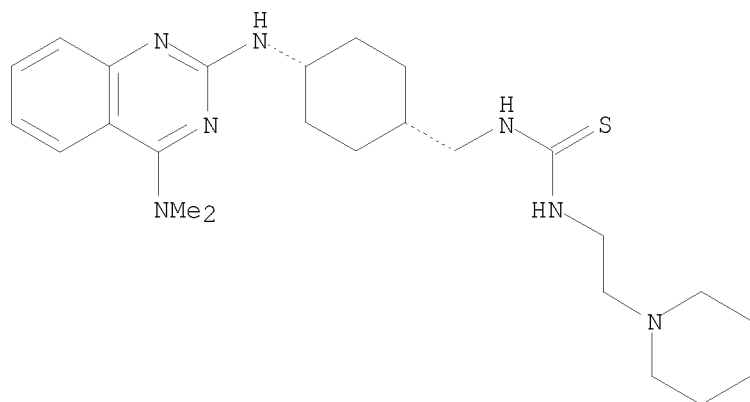
Relative stereochemistry.



RN 774207-31-7 CAPLUS

CN Thiourea, N-[[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-N'-[2-(1-piperidiny]ethyl]- (CA INDEX NAME)

Relative stereochemistry.

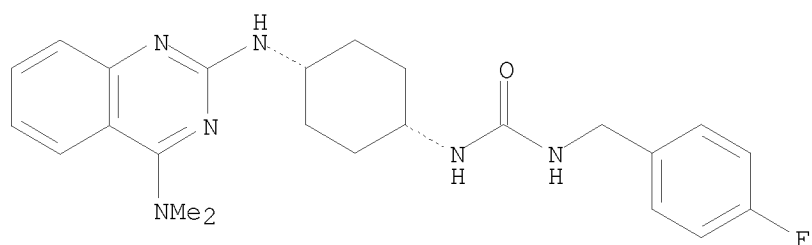


RN 774207-42-0 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-[(4-fluorophenyl)methyl]- (CA INDEX NAME)

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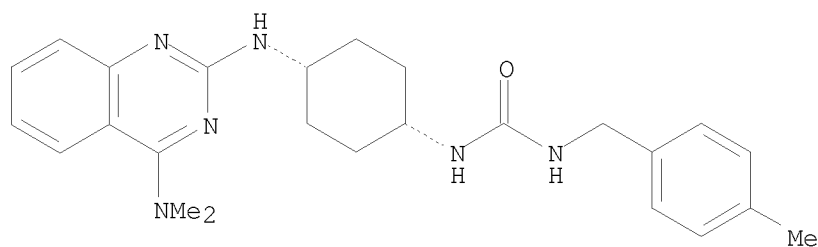
Relative stereochemistry.



RN 774207-48-6 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-(4-methylphenyl)methyl)- (CA INDEX NAME)

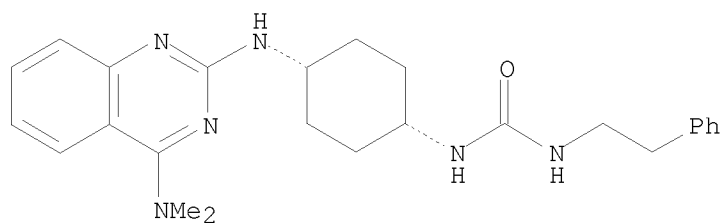
Relative stereochemistry.



RN 774207-60-2 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-(2-phenylethyl)- (CA INDEX NAME)

Relative stereochemistry.

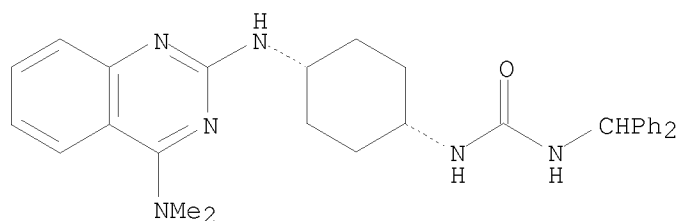


RN 774207-62-4 CAPLUS

CN Urea, N-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N'-(diphenylmethyl)- (CA INDEX NAME)

Relative stereochemistry.

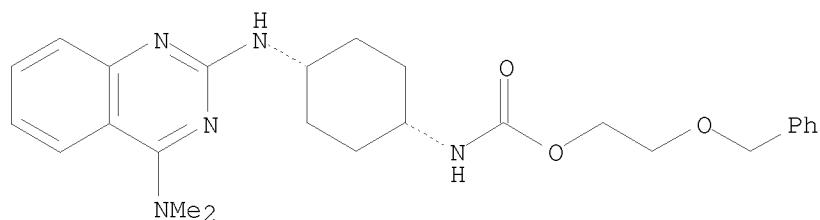
10/ 551,431



RN 774207-64-6 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-, 2-(phenylmethoxy)ethyl ester (9CI) (CA INDEX NAME)

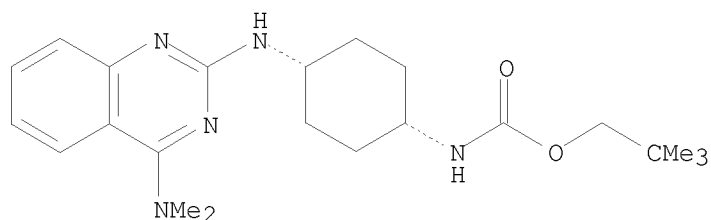
Relative stereochemistry.



RN 774207-65-7 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-, 2,2-dimethylpropyl ester (9CI) (CA INDEX NAME)

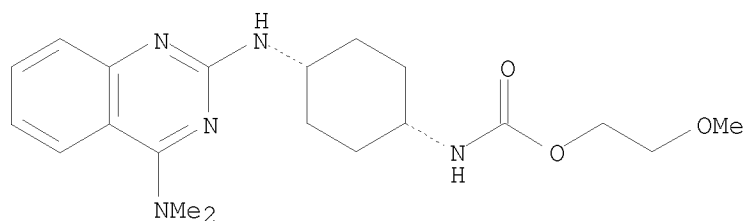
Relative stereochemistry.



RN 774207-69-1 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-, 2-methoxyethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

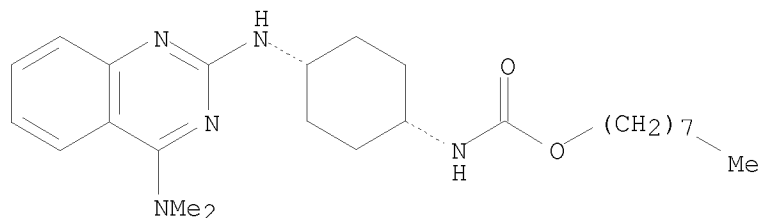


RN 774207-70-4 CAPLUS

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CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-  
, octyl ester (9CI) (CA INDEX NAME)

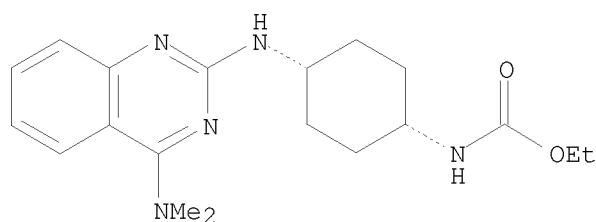
Relative stereochemistry.



RN 774207-71-5 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-  
, ethyl ester (9CI) (CA INDEX NAME)

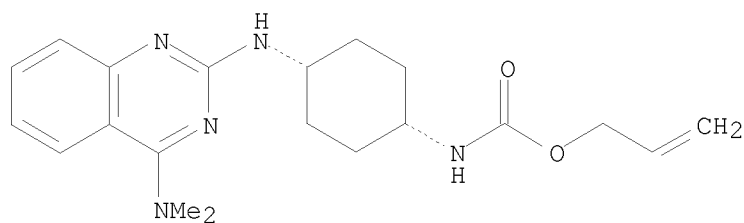
Relative stereochemistry.



RN 774207-73-7 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-  
, 2-propenyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



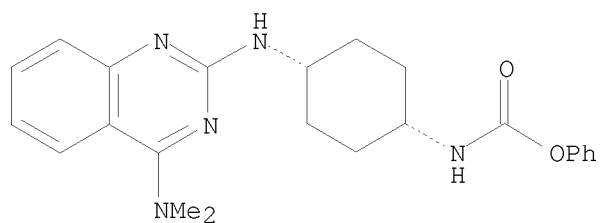
RN 774207-74-8 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-  
, phenyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



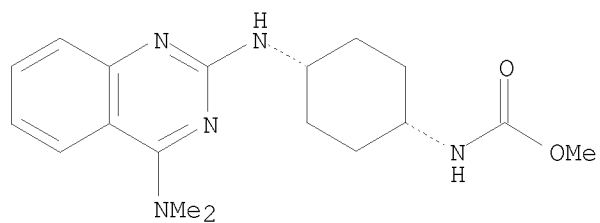
10/ 551,431



RN 774207-77-1 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-, methyl ester (9CI) (CA INDEX NAME)

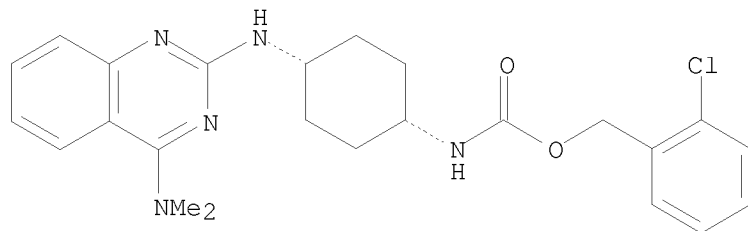
Relative stereochemistry.



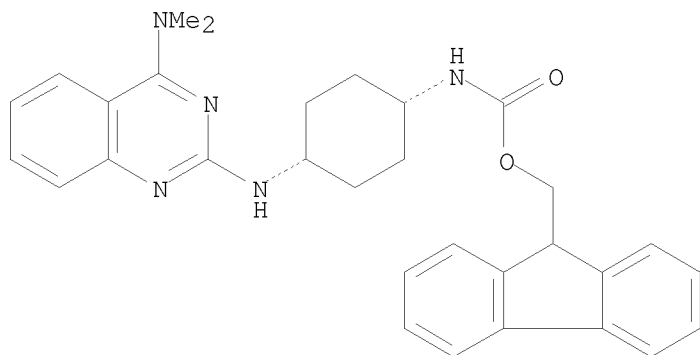
RN 774207-78-2 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-, (2-chlorophenyl)methyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



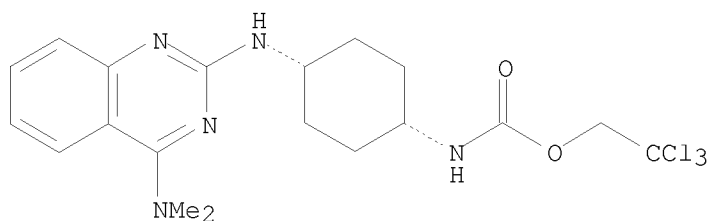
10/ 551,431



RN 774207-80-6 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-, 2,2,2-trichloroethyl ester (9CI) (CA INDEX NAME)

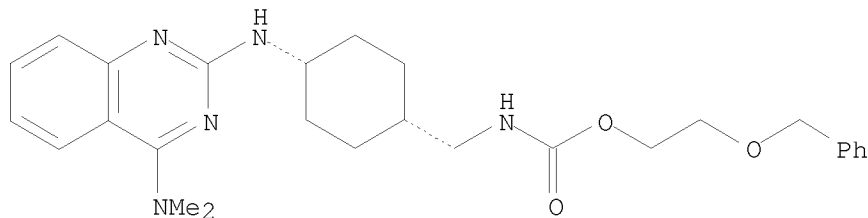
Relative stereochemistry.



RN 774207-81-7 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, 2-(phenylmethoxy)ethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

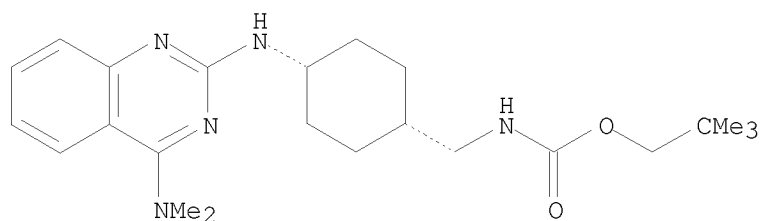


RN 774207-82-8 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, 2,2-dimethylpropyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

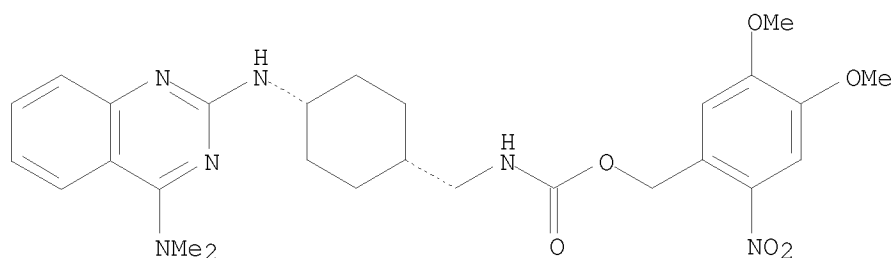
10/ 551,431



RN 774207-83-9 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, (4,5-dimethoxy-2-nitrophenyl)methyl ester (9CI) (CA INDEX NAME)

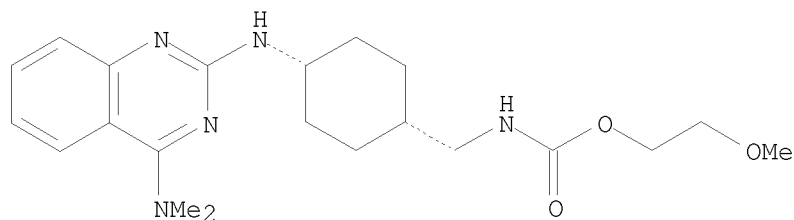
Relative stereochemistry.



RN 774207-87-3 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, 2-methoxyethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

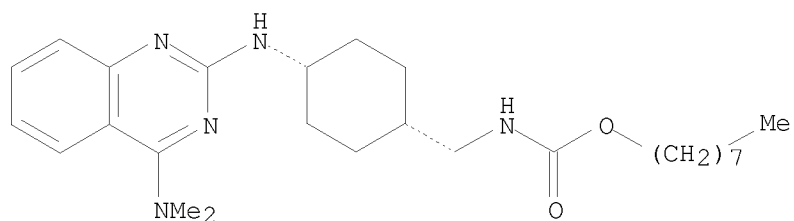


RN 774207-88-4 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, octyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

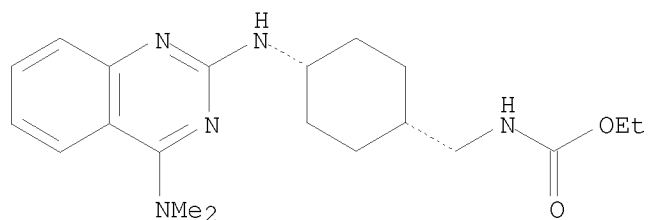
10/ 551,431



RN 774207-89-5 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, ethyl ester (9CI) (CA INDEX NAME)

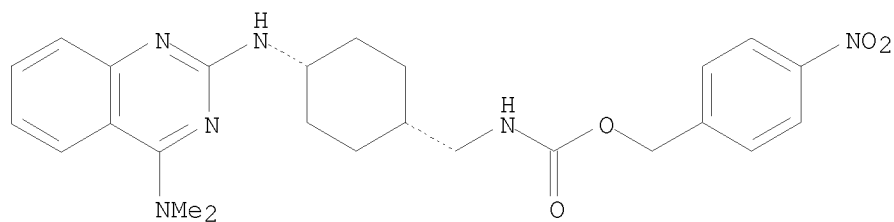
Relative stereochemistry.



RN 774207-90-8 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, (4-nitrophenyl)methyl ester (9CI) (CA INDEX NAME)

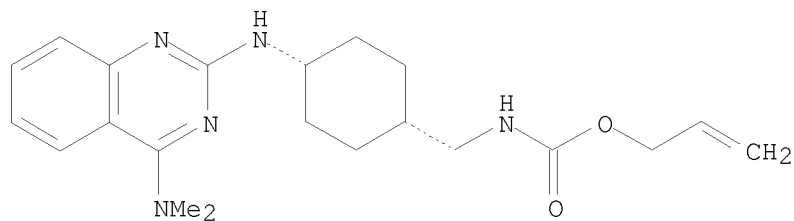
Relative stereochemistry.



RN 774207-92-0 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, 2-propenyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

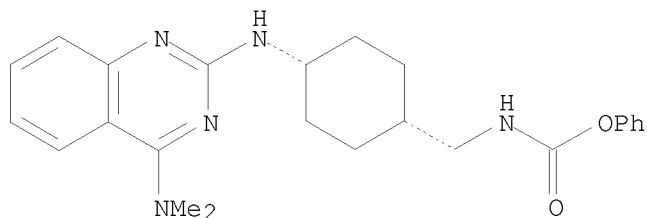


10/ 551,431

RN 774207-93-1 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, phenyl ester (9CI) (CA INDEX NAME)

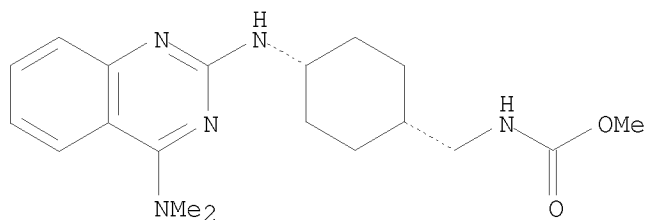
Relative stereochemistry.



RN 774207-96-4 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, methyl ester (9CI) (CA INDEX NAME)

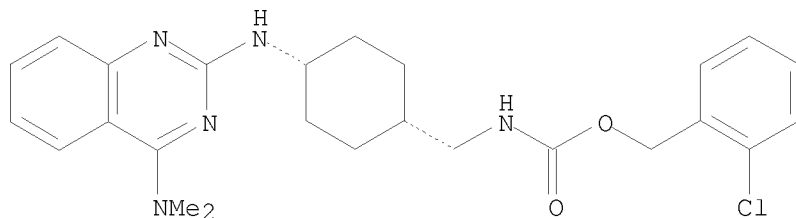
Relative stereochemistry.



RN 774207-97-5 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, (2-chlorophenyl)methyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

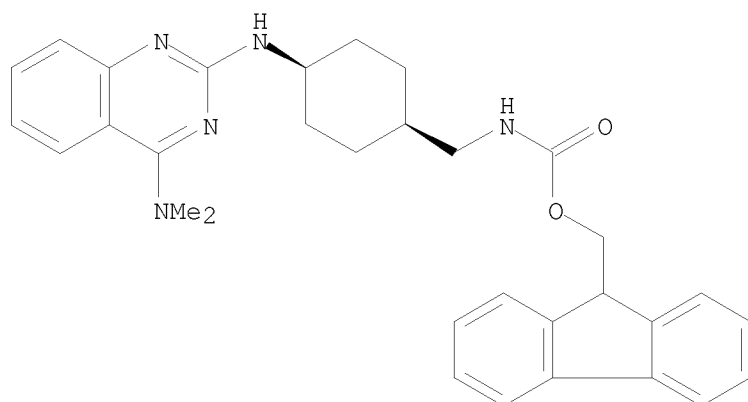


RN 774207-98-6 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

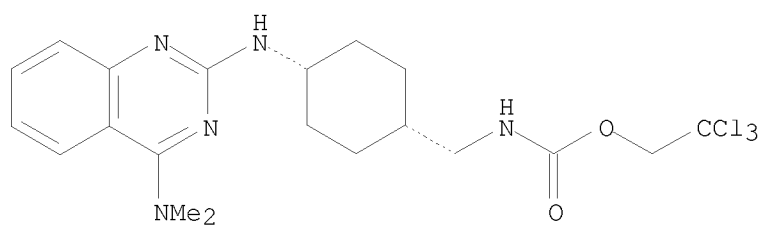
10/ 551,431



RN 774207-99-7 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, 2,2,2-trichloroethyl ester (9CI) (CA INDEX NAME)

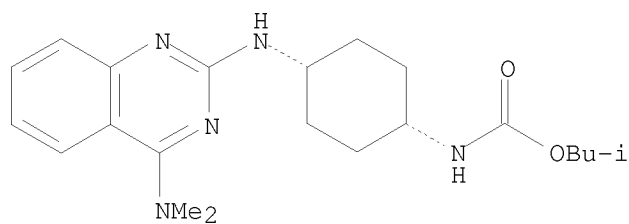
Relative stereochemistry.



RN 774212-58-7 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

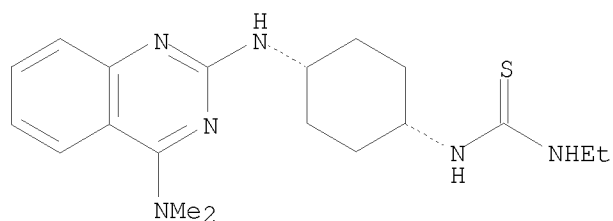


RN 774212-60-1 CAPLUS

CN Thiourea, N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N-ethyl-, hydrochloride (1:1) (CA INDEX NAME)

Relative stereochemistry.

10/ 551,431

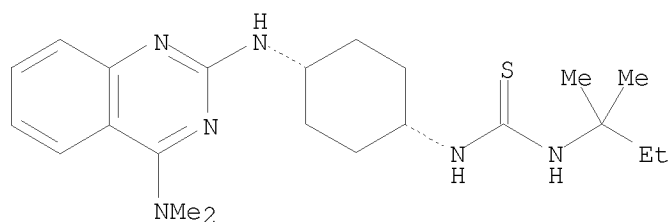


● HCl

RN 774212-62-3 CAPLUS

CN Thiourea, N'-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-N-(1,1-dimethylpropyl)-, hydrochloride (1:1) (CA INDEX NAME)

Relative stereochemistry.



● HCl

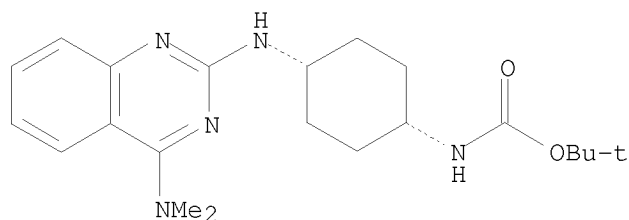
IT 509142-47-6P 774212-66-7P 774213-36-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of novel quinazolines as MCH receptor antagonists)

RN 509142-47-6 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

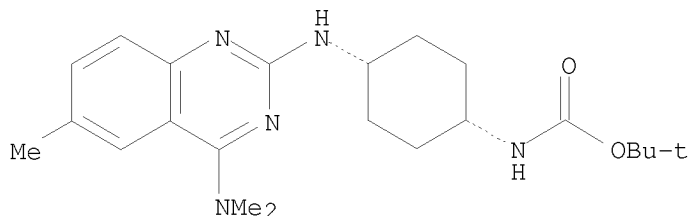


RN 774212-66-7 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-6-methyl-2-quinazolinyl]amino]cyclohexyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

10/ 551,431

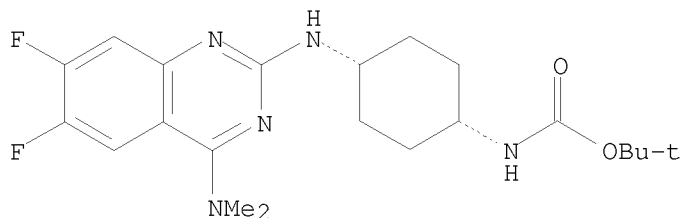
Relative stereochemistry.



RN 774213-36-4 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-6,7-difluoro-2-quinazolinyl]amino]cyclohexyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



OS.CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)  
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2003:282325 CAPLUS

DOCUMENT NUMBER: 138:321285

TITLE: Preparation of quinazoline-2,4-diamines as MCH receptor antagonists

INVENTOR(S): Sekiguchi, Yoshinori; Kanuma, Kosuke; Omodera, Katsunori; Tran, Thuy-anh; Kramer, Bryan Aubrey; Beeley, Nigel Robert Arnold

PATENT ASSIGNEE(S): Taisho Pharmaceutical Co., Ltd., Japan

SOURCE: PCT Int. Appl., 1171 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE     |
|---------------|------|----------|-----------------|----------|
| WO 2003028641 | A2   | 20030410 | WO 2002-US31059 | 20020930 |
| WO 2003028641 | A3   | 20030828 |                 |          |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW

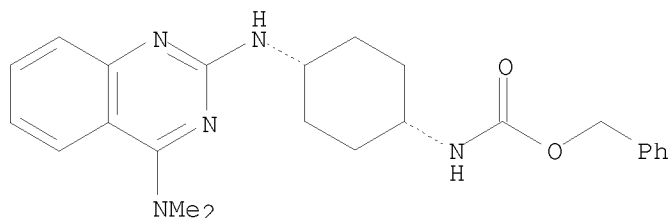


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 CA 2460594 A1 20030410 CA 2002-2460594 20020930  
 AU 2002334733 A1 20030414 AU 2002-334733 20020930  
 AU 2002334733 B2 20061123  
 EP 1432693 A2 20040630 EP 2002-800388 20020930  
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 CN 1582281 A 20050216 CN 2002-823940 20020930  
 JP 2005523237 T 20050804 JP 2003-531977 20020930  
 US 20070037836 A1 20070215 US 2004-490996 20040803  
 US 7544690 B2 20090609  
 PRIORITY APPLN. INFO.: US 2001-326463P P 20011001  
 US 2001-326758P P 20011002  
 WO 2002-US31059 W 20020930  
 ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
 OTHER SOURCE(S): MARPAT 138:321285  
 GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The title compds. QLYR1[Q = I, C(:NH)NH<sub>2</sub>; R<sub>1</sub> = (un)substituted alkyl,  
 alkenyl, cycloalkyl, etc.; L = II-IV (wherein R<sub>4</sub> = H, alkyl; R<sub>5</sub> = H,  
 alkyl, alkyl substituted by a substituted carbocyclic aryl), etc.; Y =  
 SO<sub>2</sub>, CO, (CH<sub>2</sub>)<sub>m</sub>; m = 0-1] which act as MCH receptor antagonists, and are  
 useful for prophylaxis or treatment of obesity, obesity related disorders,  
 anxiety, or depression, were prepared Thus, hydrogenation of benzyl  
 cis-[4-(4-dimethylaminoquinazolin-2-ylamino)cyclohexylmethyl]carbamate  
 followed by reacting the resulting intermediate with  
 4-bromo-2-trifluoromethoxybenzaldehyde in the presence of NaBH(OAc)<sub>3</sub> and  
 AcOH in CH<sub>2</sub>Cl<sub>2</sub>, and treatment of the product with 4N HCl in EtOAc afforded  
 34% cis-V.2HCl which showed IC<sub>50</sub> of 6 nM against MCH receptor.  
 IT 510738-77-9P 510738-78-0P 510738-79-1P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)  
 (preparation of quinazoline-2,4-diamines as MCH receptor antagonists)  
 RN 510738-77-9 CAPLUS  
 CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-  
 , phenylmethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

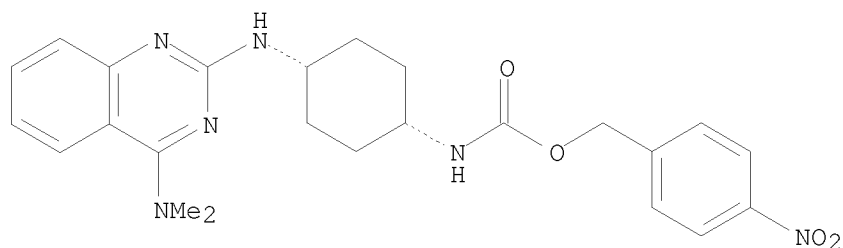


RN 510738-78-0 CAPLUS  
 CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-

10/ 551,431

, (4-nitrophenyl)methyl ester (9CI) (CA INDEX NAME)

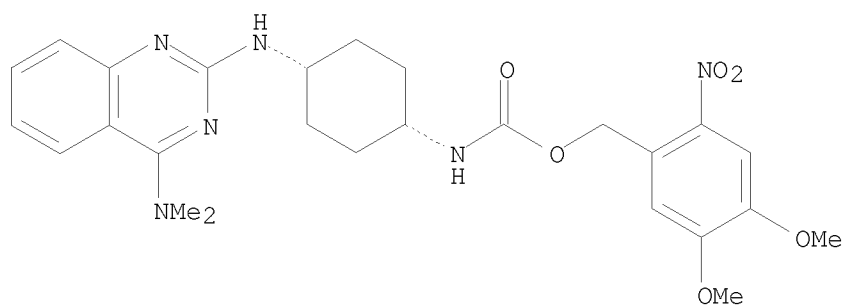
Relative stereochemistry.



RN 510738-79-1 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-(4,5-dimethoxy-2-nitrophenyl)methyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 509142-38-5P 509142-39-6P 509142-41-0P

509142-42-1P 509142-47-6P 509142-52-3P

509142-54-5P 509142-56-7P 509142-64-7P

509142-66-9P 509142-98-7P 509143-07-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

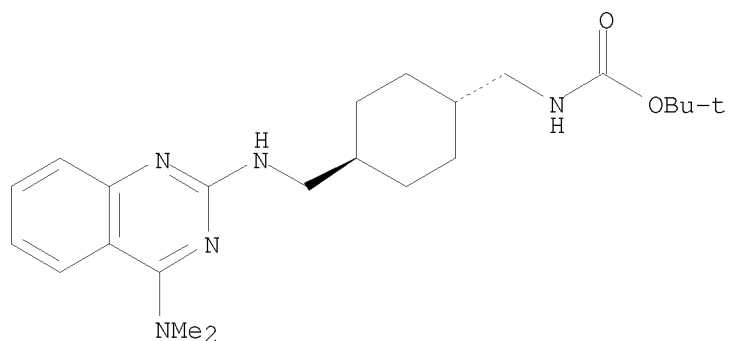
(preparation of quinazoline-2,4-diamines as MCH receptor antagonists)

RN 509142-38-5 CAPLUS

CN Carbamic acid, [[trans-4-[[[4-(dimethylamino)-2-quinazolinyl]amino]methyl]cyclohexyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

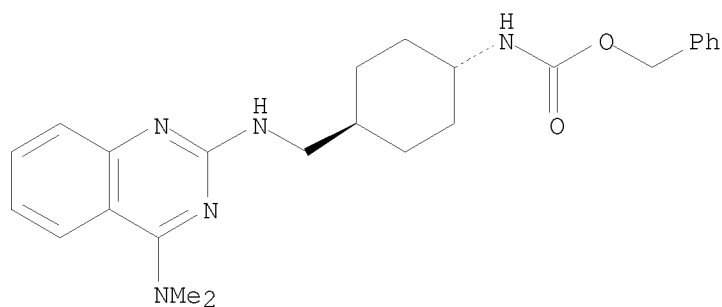
10/ 551,431



RN 509142-39-6 CAPLUS

CN Carbamic acid, [trans-4-[[[4-(dimethylamino)-2-quinazolinyl]amino]methyl]cyclohexyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

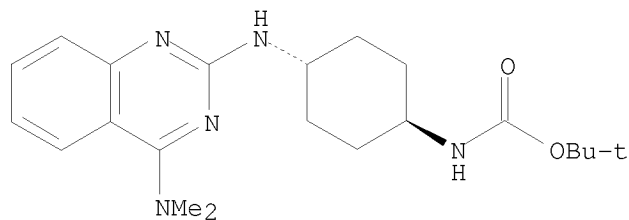
Relative stereochemistry.



RN 509142-41-0 CAPLUS

CN Carbamic acid, [trans-4-[[[4-(dimethylamino)-2-quinazolinyl]amino]methyl]cyclohexyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

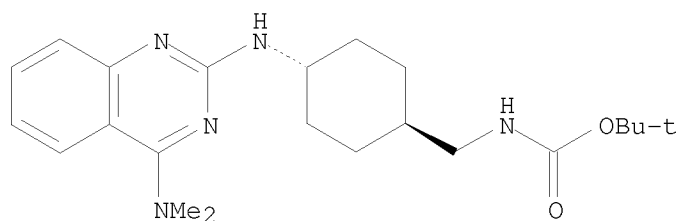


RN 509142-42-1 CAPLUS

CN Carbamic acid, [[trans-4-[[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

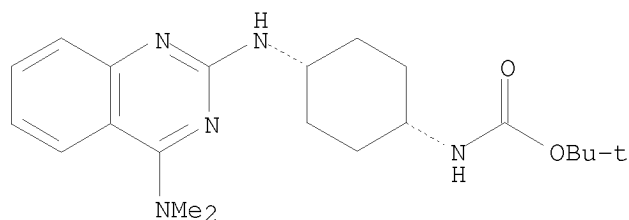
10/ 551,431



RN 509142-47-6 CAPLUS

CN Carbamic acid, [cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

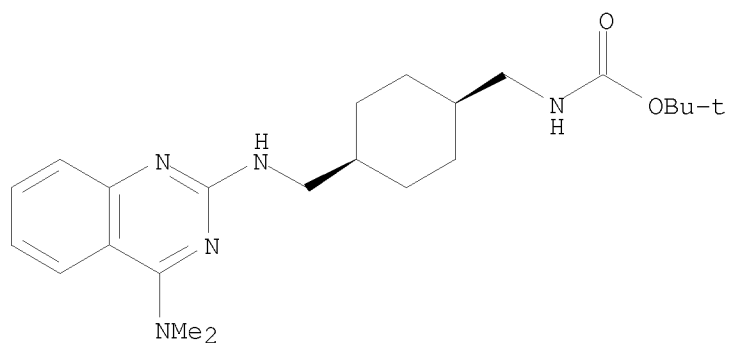
Relative stereochemistry.



RN 509142-52-3 CAPLUS

CN Carbamic acid, [[cis-4-[[[4-(dimethylamino)-2-quinazolinyl]amino]methyl]cyclohexyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

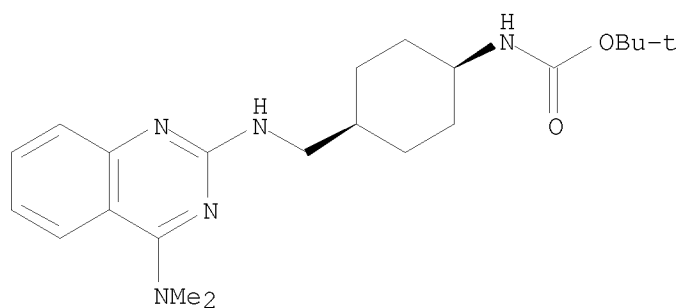


RN 509142-54-5 CAPLUS

CN Carbamic acid, [cis-4-[[[4-(dimethylamino)-2-quinazolinyl]amino]methyl]cyclohexyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

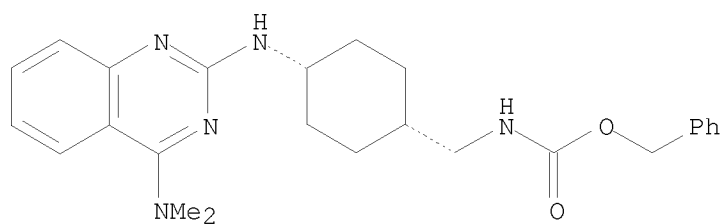
10/ 551,431



RN 509142-56-7 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

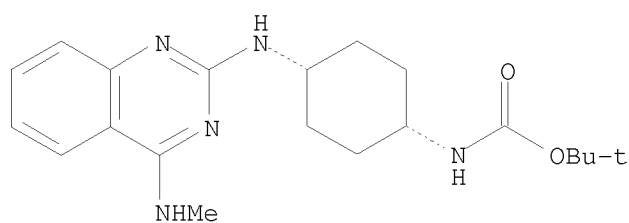
Relative stereochemistry.



RN 509142-64-7 CAPLUS

CN Carbamic acid, [cis-4-[[4-(methylamino)-2-quinazolinyl]amino]cyclohexyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

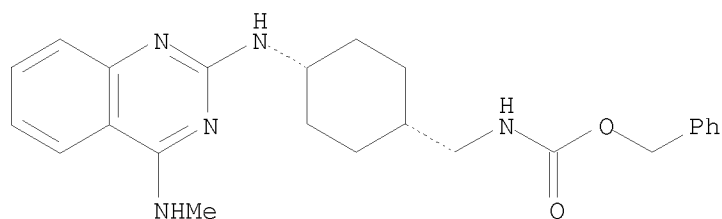


RN 509142-66-9 CAPLUS

CN Carbamic acid, [[cis-4-[[4-(methylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

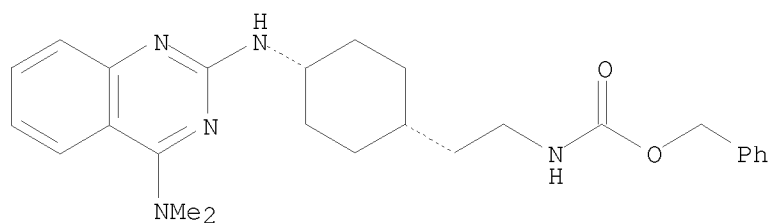
10/ 551,431



RN 509142-98-7 CAPLUS

CN Carbamic acid, [2-[cis-4-[[4-(dimethylamino)-2-quinazolinyl]amino]cyclohexyl]ethyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

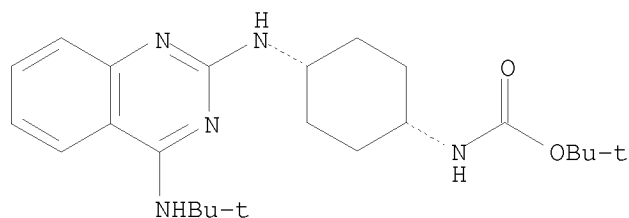
Relative stereochemistry.



RN 509143-07-1 CAPLUS

CN Carbamic acid, [cis-4-[[4-[(1,1-dimethylethyl)amino]-2-quinazolinyl]amino]cyclohexyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



OS.CITING REF COUNT: 15 THERE ARE 15 CAPLUS RECORDS THAT CITE THIS RECORD (20 CITINGS)

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1997:480972 CAPLUS

DOCUMENT NUMBER: 127:108941

ORIGINAL REFERENCE NO.: 127:21011a,21014a

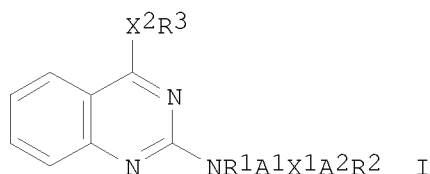
TITLE: Preparation of 2-aminoquinazolines as neuropeptide Y subtype Y5 receptor antagonists.

INVENTOR(S): Rueger, Heinrich; Schmidlin, Tibur; Rigollier, Pascal; Yamaguchi, Yasuchika; Tintelnot-Blomley, Marina; Schilling, Walter; Criscione, Leoluca; Mah, Robert

PATENT ASSIGNEE(S): Novartis Ag, Switz.; Rueger, Heinrich; Schmidlin,

SOURCE: Tibur; Rigollier, Pascal; Yamaguchi, Yasuchika;  
 Tintelnot-Blomley, Marina; Schilling, Walter;  
 Criscione, Leoluca; Mah, Robert  
 PCT Int. Appl., 166 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.             | KIND   | DATE     | APPLICATION NO. | DATE        |
|------------------------|--|----------|-----------------|-------------|
| WO 9720823             | A2   | 19970612 | WO 1996-EP5067  | 19961118    |
| WO 9720823             | A3   | 19970717 |                 |             |
| W:                     | AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |          |                 |             |
| RW:                    | KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG   |          |                 |             |
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| ZA 9610020             | A  | 19970601 | ZA 1996-10020   | 19961128    |
| IN 1996MA02144         | A  | 20050304 | IN 1996-MA2144  | 19961129    |
| PRIORITY APPLN. INFO.: |  |          | US 1995-566378  | A2 19951201 |
|                        |  |          | WO 1996-EP5067  | W 19961118  |
| OTHER SOURCE(S):       | MARPAT 127:108941  |          |                 |             |
| GI                     |  |          |                 |             |



AB Title compds. [I; A1, A2 = bond, alkylene; X1, X2 = cycloalkylene, cycloalkenylene, cycloalkylidene, cycloalkenylidene, oxocycloalkylene, oxocycloalkenylene, oxocycloalkylidene, oxocycloalkenylidene; X2 = O, S, SO, SO2, NR4; R1 = H, alkyl, alkenyl, alkynyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, cycloalkyl, cycloalkylalkyl, (hetero)aryl, (hetero)aralkyl; R2 = H, OH, CO2H, carbamoyl, halo, NO2, cyano, (substituted) alkyl, amino, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, (hetero)aryl, (hetero)arylalkyl, etc.; R3, R4 = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, (hetero)aryl, (hetero)aralkyl; R3R4 = (heteroatom-interrupted) alkylene, (substituted) benzo-fused alkylene], were prepared for treatment of obesity, bulimia nervosa, diabetes, dyslipidemia, hypertension, memory loss, epileptic seizures, migraine, sleep disturbance, pain, sexual/reproductive disorders, depression, anxiety, cerebral hemorrhage, shock, congestive heart failure, nasal congestion, and diarrhea (no data). Thus, 2-chloro-4-phenylaminoquinazoline was heated 4 min. with cyclohexylamine to give 2-cyclohexylamino-4-phenylaminoquinazoline, isolated as the hydrochloride.

IT 192322-33-1P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT

10/ 551,431

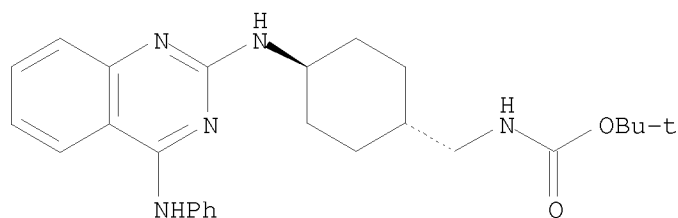
(Reactant or reagent); USES (Uses)

(preparation of 2-aminoquinazolines as neuropeptide Y subtype Y5 receptor antagonists)

RN 192322-33-1 CAPLUS

CN Carbamic acid, [[4-[[4-(phenylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, 1,1-dimethylethyl ester, monohydrochloride, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



● HCl

IT 192321-08-7P 192321-92-9P 192321-93-0P

192322-04-6P 192322-82-0P

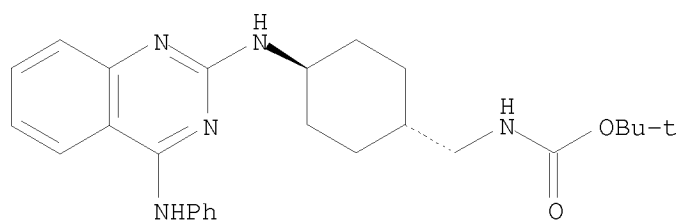
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 2-aminoquinazolines as neuropeptide Y subtype Y5 receptor antagonists)

RN 192321-08-7 CAPLUS

CN Carbamic acid, [[4-[[4-(phenylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, 1,1-dimethylethyl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



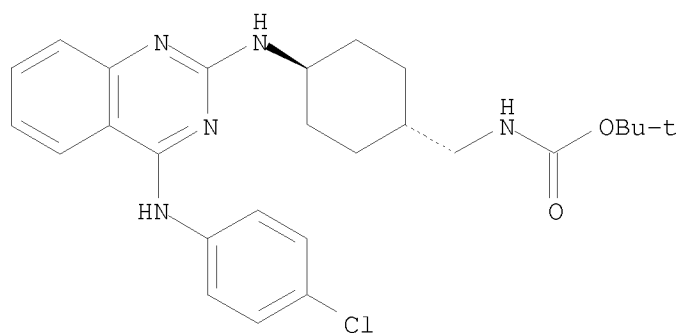
RN 192321-92-9 CAPLUS

CN Carbamic acid, [[4-[[4-[(4-chlorophenyl)amino]-2-quinazolinyl]amino]cyclohexyl]methyl]-, 1,1-dimethylethyl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



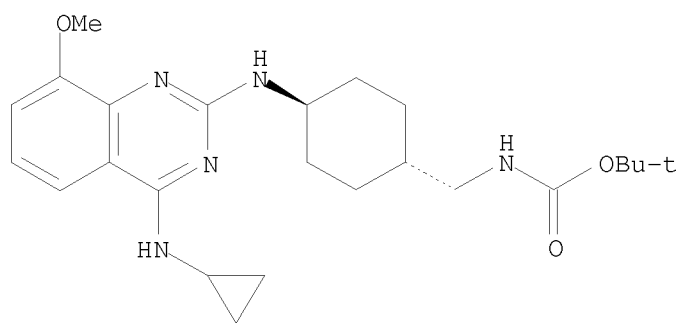
10/ 551,431



RN 192321-93-0 CAPLUS

CN Carbamic acid, [[4-[[4-(cyclopropylamino)-8-methoxy-2-quinazolinyl]amino]cyclohexyl]methyl]-, 1,1-dimethylethyl ester, trans- (9CI) (CA INDEX NAME)

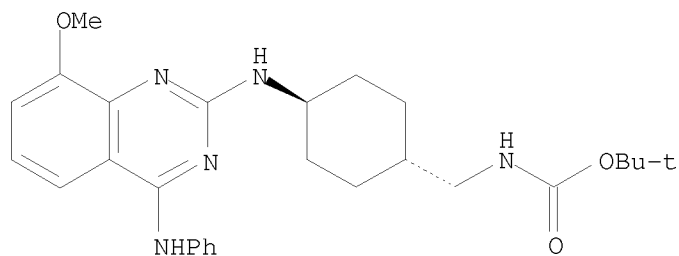
Relative stereochemistry.



RN 192322-04-6 CAPLUS

CN Carbamic acid, [[4-[[8-methoxy-4-(phenylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, 1,1-dimethylethyl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

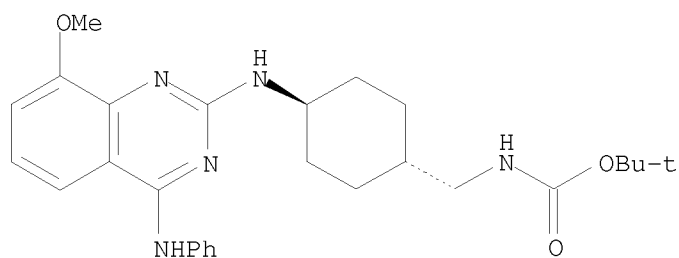


RN 192322-82-0 CAPLUS

CN Carbamic acid, [[4-[[8-methoxy-4-(phenylamino)-2-quinazolinyl]amino]cyclohexyl]methyl]-, 1,1-dimethylethyl ester, monohydrochloride, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

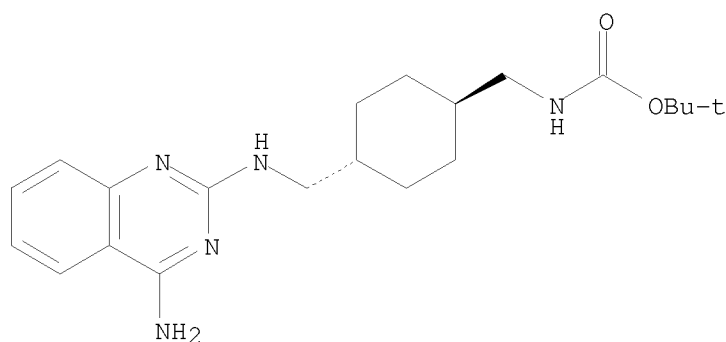
10/ 551,431



● HCl

IT 192323-09-4P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation of 2-aminoquinazolines as neuropeptide Y subtype Y5 receptor  
antagonists)  
RN 192323-09-4 CAPLUS  
CN Carbamic acid, [[trans-4-[[[4-amino-2-  
quinazolinyl)amino]methyl]cyclohexyl]methyl]-, 1,1-dimethylethyl ester  
(9CI) (CA INDEX NAME)

Relative stereochemistry.



OS.CITING REF COUNT: 44 THERE ARE 44 CAPLUS RECORDS THAT CITE THIS  
RECORD (50 CITINGS)  
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'HOME' ENTERED AT 14:32:14 ON 21 JAN 2010)

FILE 'REGISTRY' ENTERED AT 14:32:24 ON 21 JAN 2010

L1 STRUCTURE UPLOADED

L2 220 S L1 FULL

FILE 'CAPLUS' ENTERED AT 14:32:59 ON 21 JAN 2010

L3 7 S L2

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

10/ 551,431

|  | ENTRY                  | SESSION |
|--|------------------------|---------|
| FULL ESTIMATED COST                        | XXXXXXXXXXXXXXXXXXXXXX |         |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE             | TOTAL   |
| CA SUBSCRIBER PRICE                        | ENTRY                  | SESSION |
|  | -5.95                  | -5.95   |

STN INTERNATIONAL LOGOFF AT 14:33:53 ON 21 JAN 2010